

## **Historic, Archive Document**

Do not assume content reflects current scientific knowledge, policies, or practices.







**SUNNYSLOPE SPLENDOR.** Unparalleled glistening white full centered large flower with a light overcast of green throughout even at full maturity. Indisputably the most satisfactory and our foremost pride. October 10-15. Price: 75 cents each, 3 for \$2.00.

## CHRYSANTHEMUMS



*"QUEEN OF THE AUTUMN FLOWERS"*

# Descriptive Catalog 1952 OUR EIGHTEENTH YEAR



**WATANABE.** Spectacular large incurved yellow. Perfectly formed and easily grown. October 5. Price: 50 cents each, 3 for \$1.35.

TABLE OF CONTENTS - - - PAGE 16

# SUNNYSLOPE MUM GARDENS

8226 East Huntington Drive - - SAN GABRIEL, CALIF.

(NEAR SAN GABRIEL BLVD. AND FOUR BLOCKS WEST OF ROSEMEAD BLVD.)

• • • Telephone: ATlantic 2-1364 • • •

CHRYSANTHEMUM PLANTS: April to July

CARNATION PLANTS: All Year Around



# TERMS OF SALE

**IMPORTANT! — PLEASE READ CAREFULLY BEFORE ORDERING**

**(This Cancels All Previous Catalogs and Quotations)**

**QUOTATIONS.** All prices quoted in this catalog are for ROOTED CUTTINGS on both Carnation and Chrysanthemum plants and are all F.O.B. San Gabriel, Calif. Remittance must accompany all mail orders with adequate postage charges included. A combination "Computation of weight and Postal charge schedules" for both air and ordinary parcel posts appear below. No C.O.D. order is accepted. 3% sales tax must be added to all shipments made within the State of California.

**ESTABLISHED PLANTS IN PLANT BAND.** Only those calling for plants at our gardens will be given plants in plant band instead of rooted cuttings. All shipment of Chrysanthemums and Carnations will be made in rooted cuttings.

**ACKNOWLEDGMENT OF ORDERS.** Unless we are able to fill orders immediately, we send acknowledgments within a few days after receipt of order informing our customers when their shipment may be expected. If you do not hear from us within a reasonable time, please write us.

**TIME OF SHIPMENT.** We fill orders for Chrysanthemums from about April 10 through May and June to mid-July. We can fill orders to warmer Southern areas as early as April 1 or little before if we are allowed to make substitutions or back order whatever is not ready.

**WE SHIP CARNATION PLANTS ALL YEAR AROUND.**

**HOW ORDERS ARE FILLED.** All orders will receive our careful and special attention. Although we always endeavor to fill the orders on or at least near the date requested on the "Order Sheet," we appreciate early orders allowing us a liberal margin of leeway as to the shipping date. Generally, we follow the regular rotation procedure.

**SUBSTITUTIONS**—In case stock of certain varieties is exhausted, we will substitute with correctly labeled plants of similar type and color as good or better without additional cost unless marked "NO SUBSTITUTION."

**SHIPPING INFORMATION.** Shipping instructions should be indicated on all orders. Rooted Chrysanthemum and Carnation cuttings are shipped via Parcel Post, Air Parcel Post, or Air Express charges collect.

OUR EXPERIENCE OF PAST SEASONS CLEARLY INDICATE THAT AIR PARCEL POST IS THE BEST MEDIUM OF CARRIER, ESPECIALLY TO DESTINATIONS BEYOND THE POSTAL ZONE NUMBER 4. Parcels shipped to non-airport cities will be forwarded by surface transportation from nearest airport city.

**POSTAGE CHARGE ADJUSTMENT.** Adjustment of overpayment of Air Parcel Post charges will be made either in plants at time of shipment or after June in stamps or check. All underpayment of postage will be billed.

**SPECIAL DELIVERY SERVICE.** To customers in urban communities where this service is available, we stress its usage which greatly expedites delivery. The rate is 35 cents up to 2 lbs., 45 cents from 2 to 10 lbs., and 60 cents over 10 lbs. Please note that this service includes "Special Handling."

**PACKING CHARGE.** OWING TO INCREASED COST OF PACKING MATERIAL AND LABOR, WE ARE COMPELLED TO MAKE A CHARGE OF 50c for packing orders less than \$2.00.

**SHIPPING NOTICE.** Separate shipping notice is sent on the date the order is filled. Air Parcel Post shipment notices are sent by air mail.

**ADJUSTMENTS.** All plants are carefully labeled and securely packed before leaving our Nursery. An invoice accompanies each shipment. If found unsatisfactory upon arrival, please notify us immediately. No adjustment will be made later than 15 days after arrival. Sufficient postage either Air Mail or parcel post must accompany requests for replacement.

We exercise utmost care in keeping our plants true to name, but will not be responsible for failure beyond our control. Our liability, in all cases, is limited to the purchase price of the plants. All orders are accepted on the above terms and not subject to return.

## AIR PARCEL POST RATES

NUMBER OF ROOTED CUTTINGS	Weight in Pounds	ZONES					
		1, 2 and 3	4	5	6	7	8
1-16	1	.60	.65	.70	.75	.75	.80
17-32	2	1.08	1.15	1.26	1.39	1.47	1.60
32-54	3	1.56	1.65	1.82	2.03	2.19	2.40
55-75	4	2.04	2.15	2.38	2.67	2.91	3.20
76-95	5	2.52	2.65	2.94	3.31	3.63	4.00

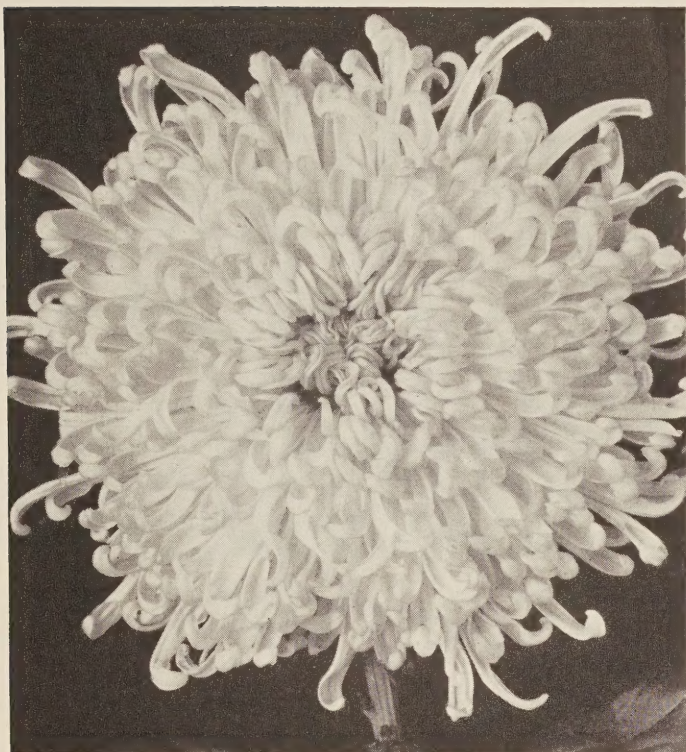
## PARCEL POST RATES

NUMBER OF ROOTED CUTTINGS	Weight in Pounds	ZONES						
		1-2 Up to 150 Miles	3 150 to 300 Miles	4 300 to 600 Miles	5 600 to 1,000 Miles	6 1,000 to 1,400 Miles	7 1,400 to 1,800 Miles	8 Over 1,800 Miles
1-12	1	.17	.17	.19	.21	.23	.25	.27
13-24	2	.20	.21	.24	.28	.33	.37	.41
25-36	3	.22	.24	.29	.35	.42	.48	.55
37-48	4	.25	.28	.34	.42	.51	.60	.69
49-60	5	.27	.31	.38	.48	.60	.71	.83

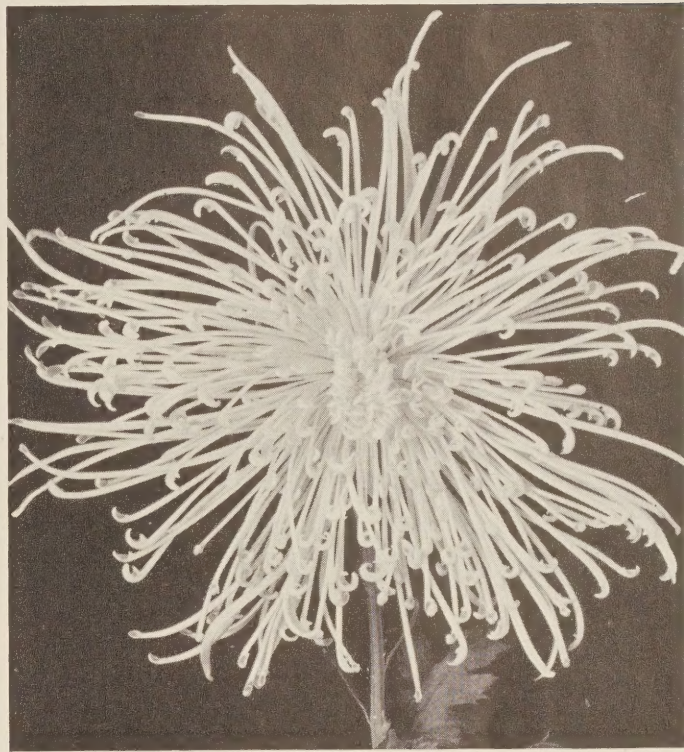
Please note that the computation difference in the number of plants exists between Air and Ordinary Parcel post because we use lighter packing material for Air Parcels. Consult your local Post Office for further information.



## *Sunnyslope's Introductions for 1952*



**ANN NORTON.** (49-16). Large size tubular petals with incurving spoon tips of various sizes. Glistening white flower with a most enthralling overcast of green shade throughout. Like all other green varieties, this flower also should be protected from fading. Marvelous addition in the novelty field. October 30. **Price: \$1.00 each, 3 for \$2.75.**



**GOLDEN LACE.** (S-A-38). Elegant addition in the fine lacy tubular true spider. Deep yellow. Fully double at the center and an excellent keeper. Splendid foliage. October 30. **Price: \$1.00 each, 3 for \$2.75.**



**SONDRA GAIL.** (A-82). Charmingly beautiful blend of buff, bronze and coral shades—more popular during the final stages when color turns to a beautiful shade of soft salmon-bronze. So outstandingly different that it created a sensation when exhibited at the Southern California Flower and Garden Show in Pasadena last fall. October 25. **Price: 50 cents each, 3 for \$1.35.**

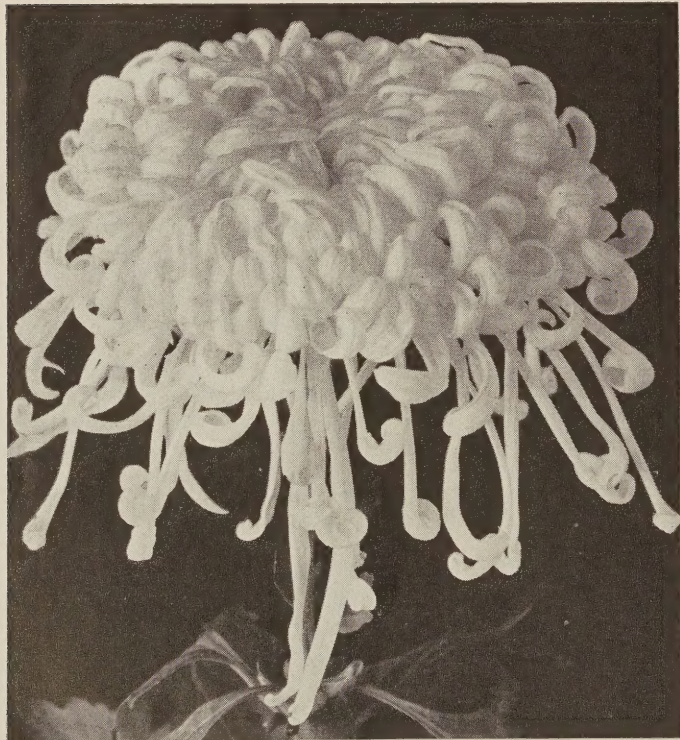


**TRANQUILITY.** (S-A-16). A sensational pure white spider. Probably no other flower has received more exalting comments with exclamations of "Ah's" and "Oh's" than this variety during our last show. Extra large and perfectly formed in every respect. October 15. **Price: \$1.00 each, 3 for \$2.75.**





**PANSY SILL.** (49-M-2). Novelty introduction. Stunningly beautiful blend of rich wine red with light silvery reverse. Charming and attractive addition to any discriminating exhibitor's collection. Strong stems and healthy foliage. Tall grower. November 5. **Price: \$1.00 each, 3 for \$2.75.**



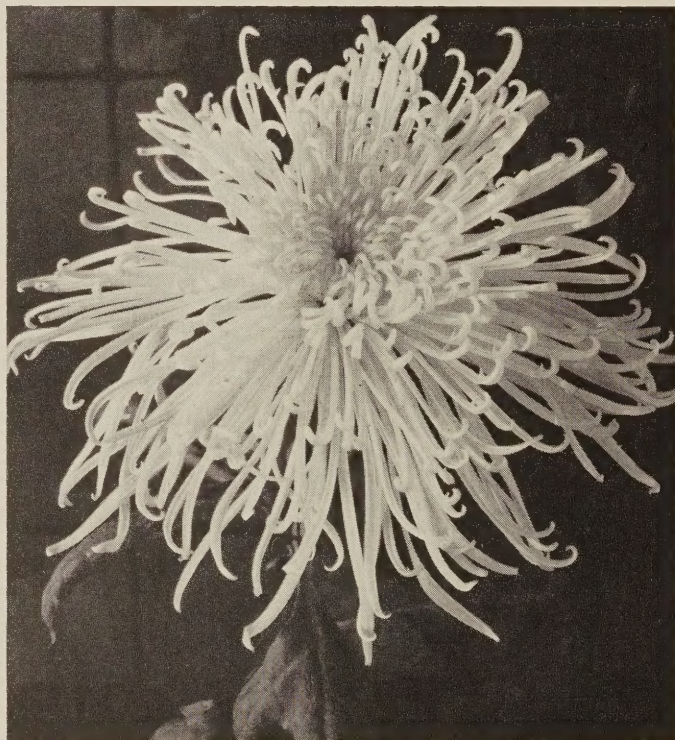
**WHITE SUPREME.** (S-A-18). Breath-taking novelty introduction in purest white. This spectacular variety stands midway between a spider and an incurve type as in the illustration. Its extremely graceful appearance is truly captivating. October 25. **Price: \$1.00 each, 3 for \$2.75.**



**WHITE FRILL.** (S-A-15). Exceptionally long frilly petals cascade from a fully double center of this remarkably large flower. Creamy white. Superb in this class. October 20. **Price: \$1.00 each, 3 for \$2.75.**

#### WHAT IS A "SPORT"?

The word sport appears several times in our catalog. The term is a bud variation or mutation—that is, a flower of another color appears on a plant and when propagated asexually, it can be perpetuated as another variety. For instance, the Bronze, Pink and Yellow Turners are sports of William Turner.



**YELLOW KNIGHT.** (A-1). This noteworthy spider is an offspring of the famous "Nightingale." The color is clear yellow. Has healthy foliage and sturdy stem. October 30. **Price: \$1.00 each, 3 for \$2.75.**



## Exotic Spiders and Threadlike Varieties

*Varieties listed in this group, which are sometimes referred to as "Fuji" Mums by the commercial growers, have quilled petals of varying sizes, some of which are long and cord-like, while a great majority have opening of spoon shape at the tip, either fishhooked or plain. These petals either spring out horizontally or droop. Many of these flowers may be eccentric in form, but they are all very graceful. Descriptions were taken from flowers which were disbudded to one bloom per stem with four to six flowers to a plant. The terminal buds were preferred.*

**Dozen Rate—10 Times the Single Price**  
(dozen of one variety)



**BUNBU.** The large size tubulated petals are a beautiful shade of orchid pink. November 1. **Price: 30 cents each, 3 for 85 cents.**

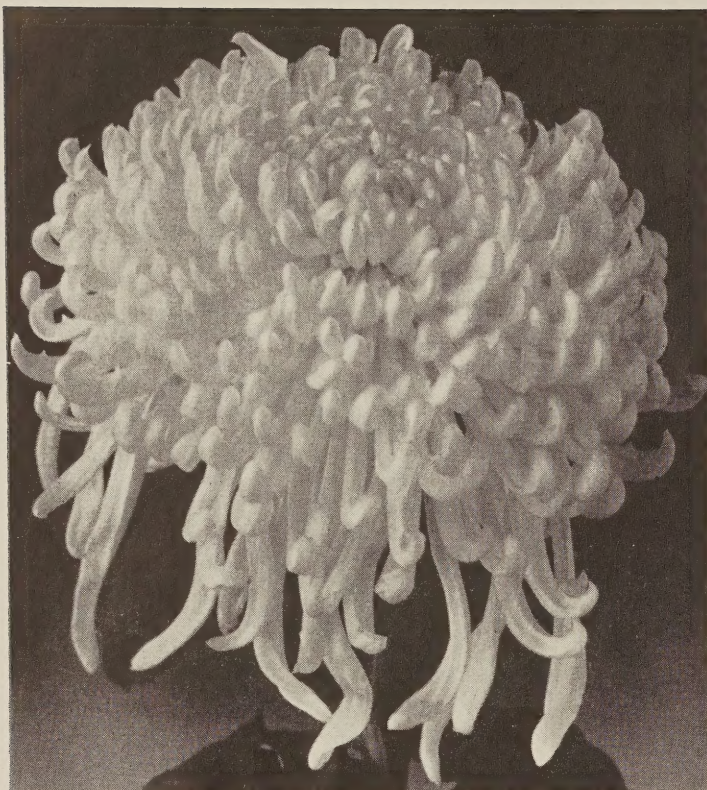


**EMERALD ISLE.** As the name suggests, the predominant color of these slender cordlike petals is green with an undertone of creamy white. November 1. **Price: 50 cents each, 3 for \$1.35.**

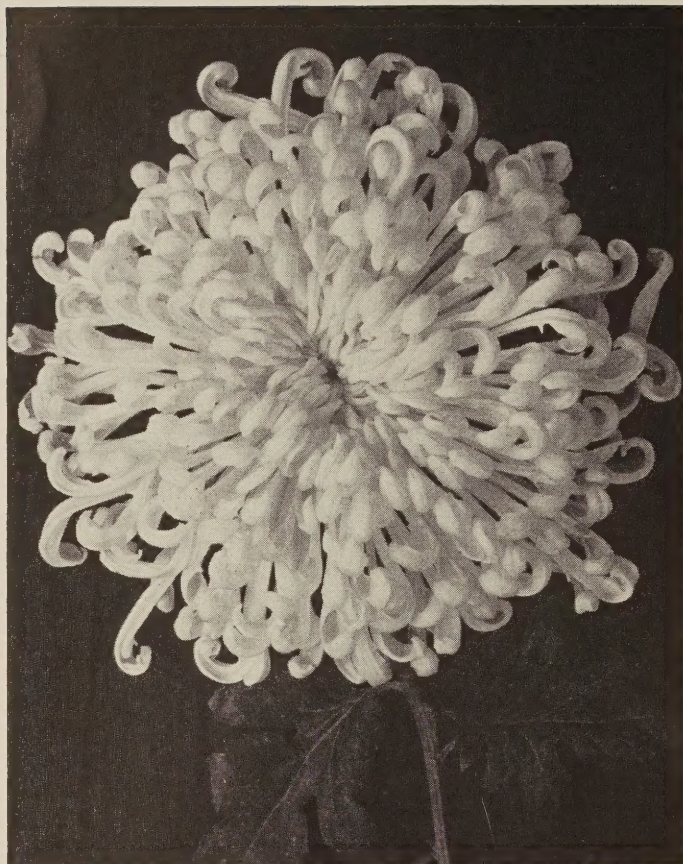


**LORRAINE.** Undoubtedly the most satisfactory true spider in clearest yellow. November 1. **Price: 50 cents each, 3 for \$1.35.**

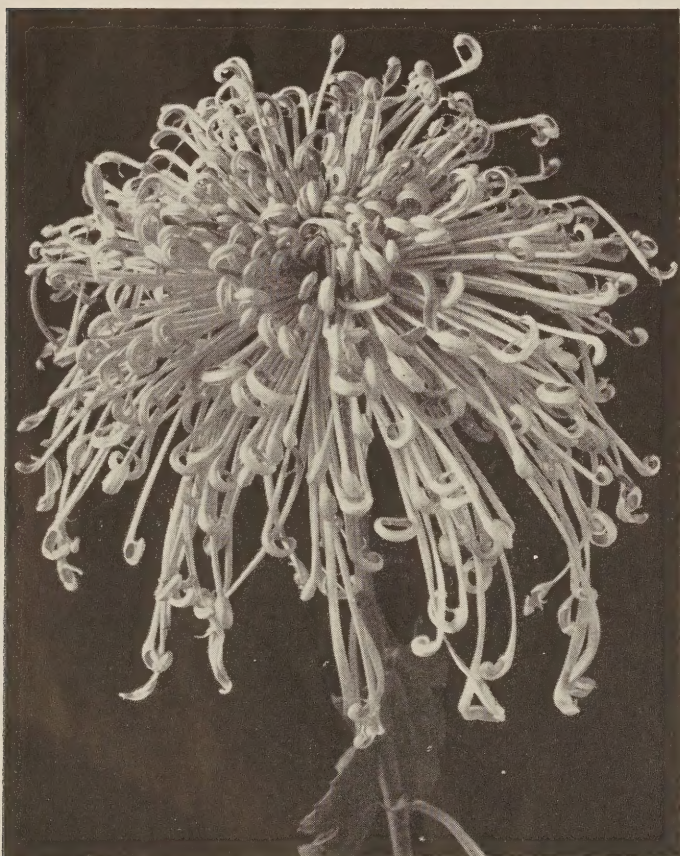




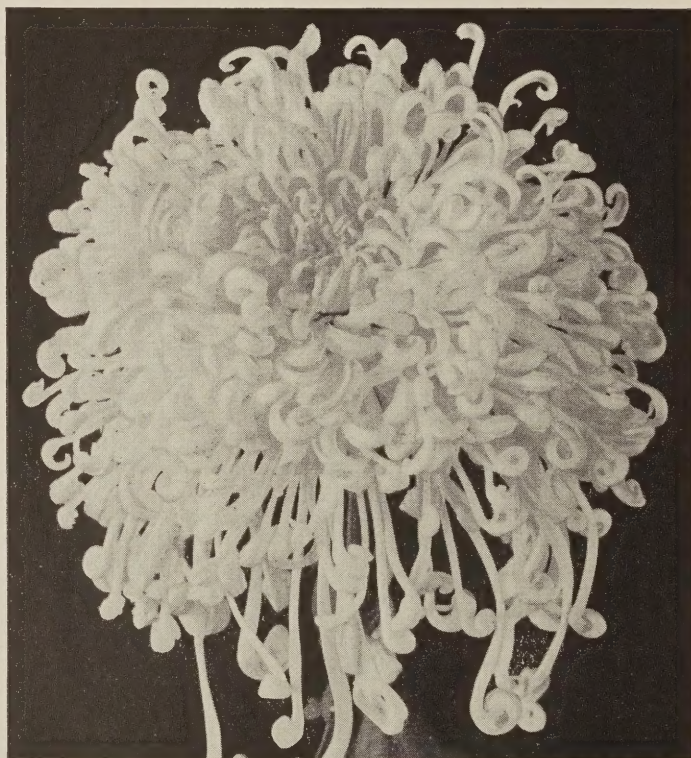
**ANNE.** Truly magnificent purest white spider of the large tubular class. October 1-5. Price: 50 cents each, 3 for \$1.35.



**ALICE TASHIMA.** Purest white. Tall. October 10. Price: 30 cents each, 3 for 85 cents.

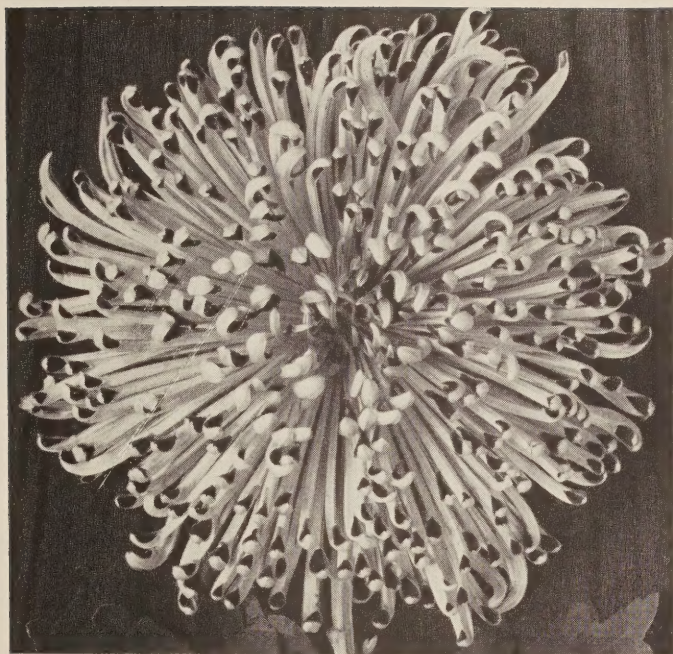


**AGNES.** Quilled petals of this beautiful true spider are light orchid pink in color. November 10. Price: 30 cents each, 3 for 85 cents.

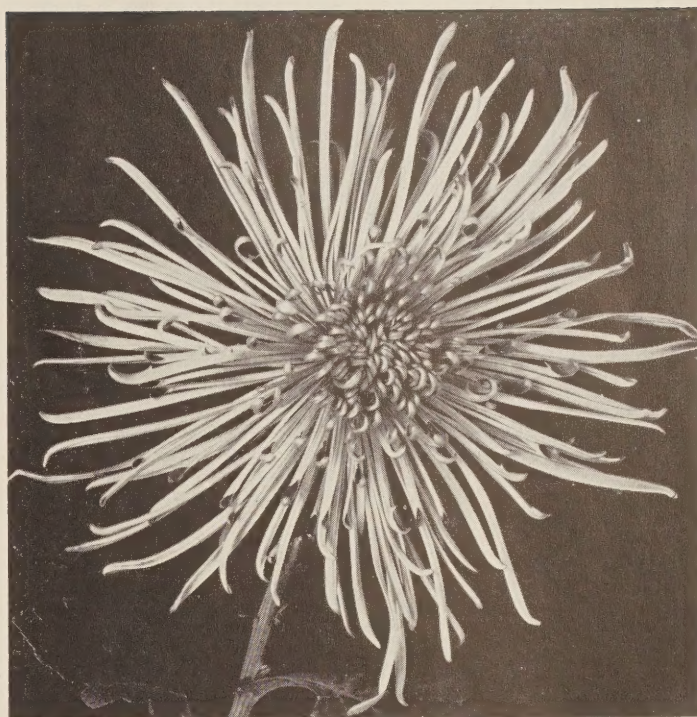


**ARCTIC.** Enchantingly beautiful true spider in purest white. October 15. Price: 30 cents each, 3 for 85 cents.



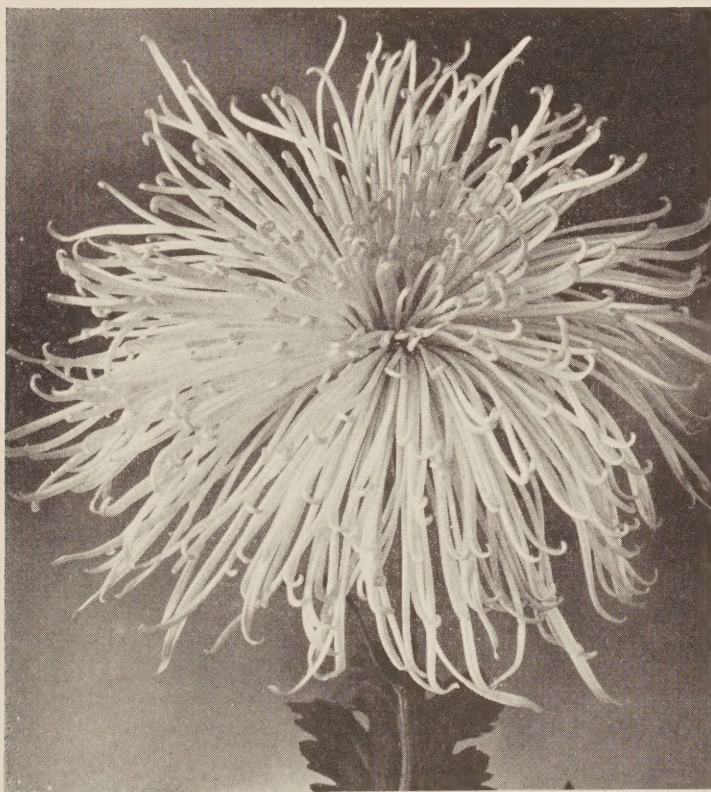


**CATHAY.** The quilled petals of this charming flower are a most beautiful shade of old copper with spoon tips of brilliant red. November 1. **Price: 30 cents each, 3 for 85 cents.**



**COPPER ROCKET.** Coppery bronze quilled cordlike petals. November 5. **Price: 30 cents each, 3 for 85 cents.**

*Date appearing after each description of varieties is the approximate blooming date important to all Chrysanthemum growers, especially to those who wish to grow varieties outdoors before the frost season.*

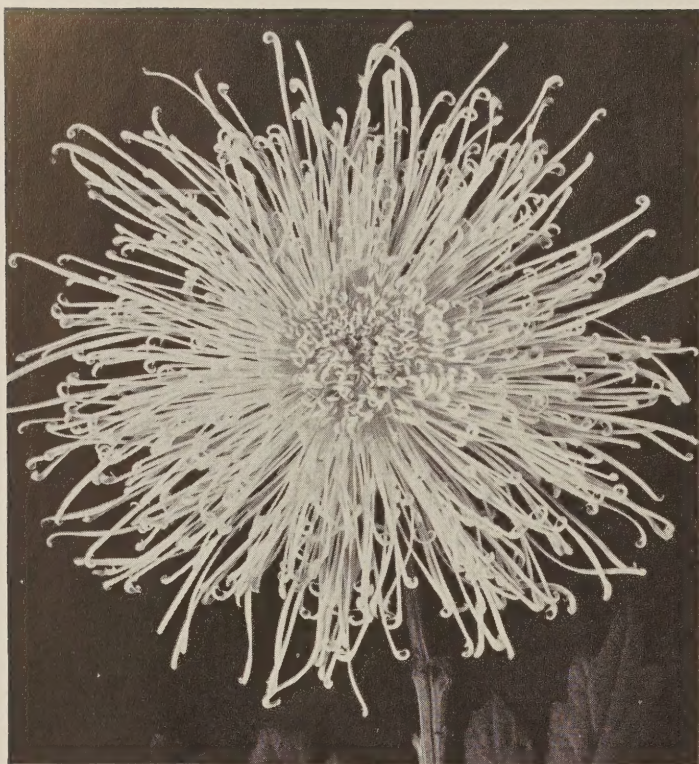


**DELIGHT.** This enchantingly intriguing variety of thin threadlike petalled flower is creamy white with pointed tips of green. October 15. **Price: 50 cents each, 3 for \$1.35.**



**CELESTIAL BEAUTY.** The quilled petals are amaranth with the spoon tips opening to a stunning shade of dubonnet. November 5. **Price: 50 cents each, 3 for \$1.35.**





**DAINTY WHITE.** Slender quilled petals are as dainty as its name suggests. November 1. **Price: 30 cents each, 3 for 85 cents.**



**CENTENNIAL.** True spider in a stunningly beautiful golden bronze color. October 25. **Price: 50 cents each, 3 for \$1.35.**

## ***Colored Pictures of Flowers on Opposite Page***

**GEORGIA HEDINGER.** This full centered spider of a beautiful shade of pink ranks unrivaled in the early flowering class. October 1.

**MARIA.** Creamy white but is also suffused with a faint pink shade when it first opens and overlaid with chartreuse at the tip. Tall grower. October 25.

**BESS WITT.** A pleasing combination of apricot bronze and salmon pink. October 15.

\* **PEGGY ANN HOOVER.** Clear light pink. Flower formation similar to "Bess Witt," because the latter is sport of "Peggy Ann Hoover." October 15.

\* **ALBERT WITT.** Clear yellow sport of "Bess Witt." October 15.

**PAUL MILLER.** Most fascinating buff-bronze with a darker shade of bronze at the center. October 25.

**SARAH MORASCH.** Beautiful shade of rose pink which changes into a fascinating pink as it matures. November 5.

**BERTHA OLIVER.** Deep orchid pink. October 15.

**MELODY.** Clear deep yellow throughout. October 15.

\*Indicates sports of "Bess Witt."

Prices on above: 30 cents each, 3 of one name for 85 cents.



**LYRIC.** A "deep orchid pink Rayonante", is the description of this beautiful flower. October 30. **Price: 50 cents each, 3 for \$1.35.**



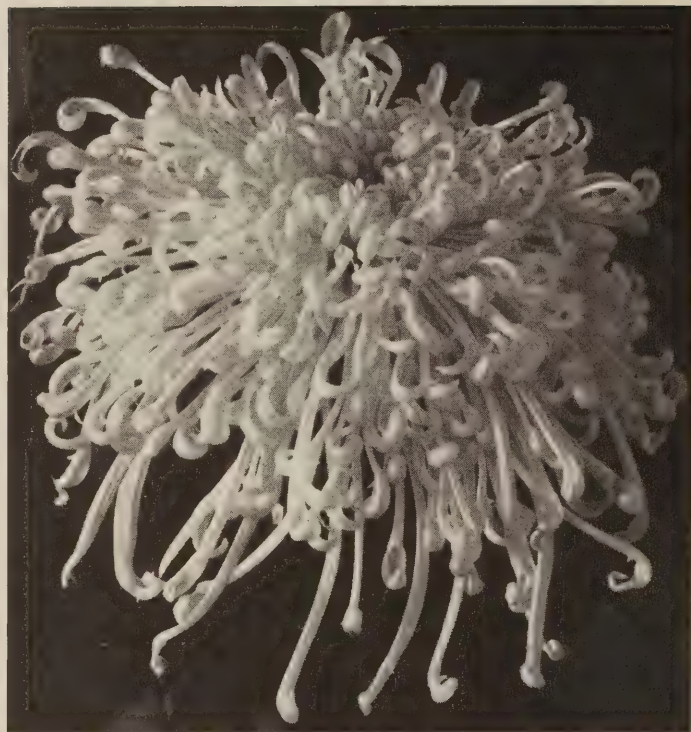


Top: Georgina Hedinger. Upper left: Maria. Upper right: Bess Witt. (Sports: Peggy Ann Hoover—pink, Albert Witt—yellow). Lower left: Paul Miller. Center: Sarah Morasch. Lower right: Bertha Oliver. Bottom: Melody.





**JEAN SQUIRE.** Long tubular petals are lovely shade of rose pink throughout. November 1. **Price: 30 cents each, 3 for 85 cents.**



**MARSHA.** Unrivalled in popularity. Purest white. Distinctive and graceful beyond words. November 1. **Price: 50 cents each, 3 for \$1.35.**

### ***Money Saving Combination Offers***

*For the benefit of many new customers, we are presenting several "Combination Offers" to assist in selecting best assorted varieties within the respective types such as Spiders, Exhibition, etc., based on the blooming season, with substantial saving.*

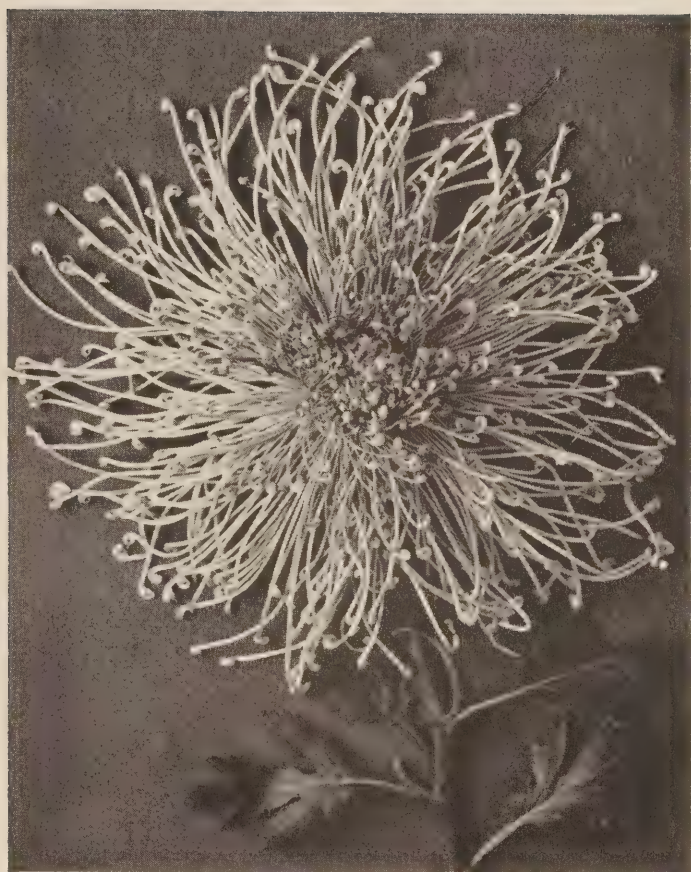


**JEAN RANGER.** Fully double with long quilled petals, soft orchid pink in color. November 10. **Price: 50 cents each, 3 for \$1.35.**



**MORGAN'S WHITE.** The snowy white quilled petals are of medium size. October 15. **Price: 30 cents each, 3 for 85 cents.**





**PUNCH BOWL.** Rich burgundy red spider with slender quilled petals falling away from a full center of deeper shade. November 1. **Price: 30 cents each, 3 for 85 cents.**



**WAIKIKI.** Breath-taking blend of orange, bronze and yellow shades. Tall. November 1. **Price: 30 cents each, 3 for 85 cents.**



**RAYONANTE & SPORTS**

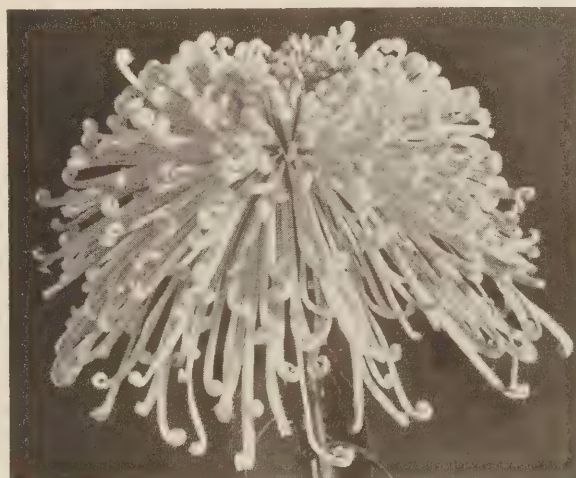
**RAYONANTE.** The cordlike quilled petals of this full centered flower are a lovely shade of light rose. October 15.

**MISS GINA HARWOOD.** Sport of Rayonante. Color is a beautiful blend of light rose and straw-bronze. October 15.

**WHITE RAYONANTE.** Pure white sport of "Rayonante." October 15.

**YELLOW RAYONANTE.** Beautiful yellow sport of "Rayonante." October 15.

**30 cents each, 3 of one name for 85 cents.**



**SAN GABRIEL.** Gorgeous clear deep yellow. October 15. **Price: 30 cents each, 3 for 85 cents.**





**NIGHTINGALE.** Most unique Chartreuse color chrysanthemum but will fade under strong sunlight. Therefore, we recommend a shade over the flower as soon as the buds begin to show color. October 25. **Price: \$1.00 each, 3 for \$2.75.**



**OHKWAN.** This full centered spider with slender quilled petals is beautiful soft yellow. November 1. **Price: 30 cents each, 3 for 85 cents.**

## TABLE OF CONTENTS ON PAGE 16



**MAMORU.** Light orange shading to a deeper bronze at the center. October 20. **Price: 30 cents each, 3 for 85 cents.**



**ORIENTAL KNIGHT.** Perhaps this is the deepest garnet red (bordering toward purple) quilled type flower known on the market today. November 5. **Price: 30 cents each, 3 for 85 cents.**



## Varieties Not Illustrated

**CHOPSTICK.** The broad spoon tips of this full centered quilled type flower are rich henna-red and the tubulated portion is golden bronze. October 25. **Price: 30 cents. each, 3 for 85c.**

**MAUVE.** Wine red spider. Slender size quilled petals with fishhook tips. October 15. **Price: 30 cents each, 3 for 85 cents.**

**QUEEN'S LACE.** The slender quilled petals hang gracefully on this lovely spider. Fully double and an exceptionally good grower. October 15. **Price: 30 cents each, 3 for 85 cents.**

**YELLOW LACE.** Clear yellow sport of "Queen's Lace." Identical habit to its parent except in color. **Price: 30 cents each, 3 for 70 cents.**

**SILVER LACE.** Petals are lacy and long. Pure white flower supported on a sturdy stem with lovely, healthy foliage. October 25. **Price: 30 cents each, 3 for 85 cents.**



**YELLOW FRILL.** Clear yellow petals are long and tightly curled at the tip. October 15. **Price: 50 cents each, 3 for \$1.35.**

## Combination Collection Offers

We are presenting several collection offers in this catalog with the object of assisting customers in their selection of best varieties in the different types based on the BLOOMING SEASON.

### Spider Collections

#### COLLECTION OFFER K

#### 8 EARLIEST BLOOMING

October 1-15

CHOPSTICK	MAUVE	RAYONANTE	ANNE
YELLOW RAYONANTE			
SUNNYSLOPE SPLENDOR			
MISS GINA HARWOOD	YELLOW FRILL		
Catalog Price	.....\$3.25		
Collection Offer	.....\$2.75		

#### COLLECTION OFFER L

#### 9 EARLY MID-SEASON FLOWERING

October 15-25

(Mostly illustrated on page 9)

GEORGINA HEDINGER	MARIA	BESS WITT
ALBERT WITT	PEGGY	ANNE HOOVER
AUTUMN PARADE	SARAH MORASCH	
BERTHA OLIVER	MELODY	
Catalog Price	.....\$2.90	
Collection Offer	.....\$2.50	

#### COLLECTION OFFER M

#### 10 MID-SEASON FLOWERING

October 25-November 10

EMERALD ISLE	JEAN RANGER
JEAN SQUIRE	LORRAINE MARSHA
ORIENTAL KNIGHT	MAMORU
PUNCH BOWL	WAIKIKI OHKWAN
Catalog Price	.....\$3.50
Collection Offer	.....\$2.50



**SUE SALLY JONES.** Bright yellow. Good stem and healthy foliage. November 1. **Price: 30 cents each, 3 for 85 cents.**



## Odd Varieties and Interesting Forms



**REVERIE.** This flower is composed of spoon-shaped petals of irregular formation with an anemone flowered center. The ray petals are a beautiful orchid pink while the disc is of a slightly lighter color. November 1. **Price: 30 cents each, 3 for 85 cents.**



**JOY.** This fascinating novelty flower is bright golden yellow. Individual flower will easily measure eight inches across when grow 6 to 8 blooms to a plant. November 1. **Price: 30 cents each, 3 for 85 cents.**



**PINK EXQUISITE.** A suitable name for the flower which is the most exquisite shade of pink. The reflexed petals radiate from the center which is a unique swirl. November 1. **Price: 30 cents each, 3 for 85 cents.**

**DR. ADAH RUTH TAYLOR.** A soft clear bronze sport of "Pink Exquisite." Habit of growth and formation of flower identical to its parent. November 1. **Price: 30 cents each, 3 for 85 cents.**

**BRONZE REVERIE.** Exceptionally fine sport of "Rev-erie." A charming blend of soft bronze, light rose and coral shades. Most exquisite flower for cut and garden decoration. November 1. **Price: 30 cents each, 3 for 85 cents.**



**RONDO.** A snowy white decorative flower. Petals are flat and feathery. Should be disbudded for best results but not as big mums. October 25. **Price: 30 cents each, 3 for 85 cents.**





**SHOOTING STAR.** An interesting flower in pure white which is as large as any exhibition type bloom. Its broad petals come to a point like a star, hence its name. November 1. **Price: 30 cents each, 3 for 85 cents.**



**NORTHLAND DAISY**

## ***Varieties Not Illustrated***

**ENSENADA.** Brilliant Indian red with yellowish tint on the reverse side. An outstanding variety. November 1. **Price: 30 cents each, 3 for 85 cents.**

**ERNA.** A large flowering semi-double bloom. Deep purple with silvery reverse. October 30. **Price: 50 cents each, 3 for \$1.35.**

**MRS. PINALLE.** Most unusual oddity. Slender size tubulated petals with pointed tips are arranged neatly in a single row around a small yellow button. Pure white. November 1. **Price: 30 cents each, 3 for 85 cents.**

**OLGA ROSE.** A pleasing combination of greenish cream, lavender, rose and light rose. At maturity, it stabilizes to grayish lavender with creamy tips. Composed of large tubular petals which are pointed. November 1. **Price: 50 cents each, 3 for \$1.35.**

**PURPLE FROST.** A novelty flower of feathery type in purple tipped with silvery white along the edge of each petal. November 15 on. **Price: 50 cents each, 3 for \$1.35.**

**STAR OF THE NORTH.** This white spray type flower is distinctly feathery in formation. As it reaches maturity, the deeply serrated petals turn and intertwine into most fascinating formation. November 5. **Price: 30 cents each, 3 for 85 cents.**

## ***Hardy Northland Daisies***

Low growing, super hardy, daisy like flowers with glossy dark green foliage peculiar only to this type. Thick leathery foliage creates attractive border plants even when not in bloom. In full bloom by October 10.

**ASTRID.** Soft pinkish apricot.

**GOOD MORNING.** Pure yellow. Identical in general growing habit to "Astrid."

**IGLOO.** A white daisy. Exceedingly free flowering.

**KRISTINA.** Deep rose pink which is almost purple, a shade which is most attractive in the fall garden.

**LOKI.** Variable shades of pink and rose.

**Price: 25 cents each. Special offer of "Northland Daisies": 1 each of above 5 varieties at \$1.00.**

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## ***Unsolicited Testimonial Letters***

During more than 20 years of specializing in growing Novelty chrysanthemums, we have received thousands of letters from every section of the country and many from foreign countries telling us how well our plants have done. Particularly gratifying are those telling us how many prizes they have won with our flowers.

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# Single Varieties — Daisy Type

**BALLERINA.** Semi-double clear orchid pink. October 25.

**BITTERSWEET.** Semi-double, bittersweet red. November 1.

**CHRISTMAS STAR.** Scarlet red. December.

**CRIMSON CARNELIA.** Intense crimson red. Responds to disbudding well. November 1. **Price: 35 cents each, 3 for \$1.00.**

**CRIMSON VALENCIA.** Red sport of "Valencia." November 1. **Price: 35 cents each, 3 for \$1.00.**

**FESTIVAL.** Reddish bronze. November 15.

**GINNY LEE.** Pure white true daisy type. October 25.

**GRETCHEN PIPER.** Brilliant yellow. October 15.

**JEAN.** Pure white large daisy. October 20.

**MABEL SEYMOUR.** Lovely large size daisy flower in white. October 20.

**MASON'S RED.** Bronzy red broad petals. October 20.

**MASON'S YELLOW.** Clear yellow. November 20.

**MELBA.** Orange bronze decorative type almost feathery in appearance. November 1.

**RADIANT.** Bronzy red daisy. November 5.

**ROYAL ROBE.** Wine red almost purple. November 10.

**STARBRIGHT.** Golden yellow. October 15.

**WHITE VALENCIA.** White daisy for late November.

## PRICE OF ROOTED CUTTINGS (Unless Quoted Otherwise)

Each .....	\$ .20
3 of One Name .....	.55
6 of One Name .....	1.00
12 of One Name .....	2.00



GINNY LEE

## CONTENTS

TERMS OF SALE .....Inside front cover

SHIPPING INFORMATION .....Inside front cover

POSTAL RATES .....Inside front cover

### CHRYSANTHEMUMS

1952 Introductions .....	Pages 3- 4
Anemone .....	" 39-40
Cascade .....	" 33
Exotic Spiders and Threadlike .....	" 5-13
Giant Exhibition .....	" 20-28
Hardy .....	" 36-37
Ichimonji or Horizontal .....	" 41
Large Commercial .....	" 17-19
Odd Forms .....	" 14-15
Pompons (Buttons, intermediate, etc.) ....	" 29-32
Single .....	" 7
Spoon .....	" 37-38

CARNATIONS ..... " 43-45

INDEX ..... " 46-47

### CULTURAL SUGGESTIONS

Cascade chrysanthemums .....	" 34
Large flowering chrysanthemums .....	" 35
Small flowering chrysanthemums .....	" 36
Carnations .....	" 42

### WHAT WE ARE DOING AT SUNNYSLOPE TO SUPPLY STURDY, DISEASE-FREE PLANTS

1. All our stock plants are field-grown—grown for propagation only—and not for cut flower production.
2. The stock plants are replanted completely every year in a new, chemically fumigated land to insure contamination against verticillium and stunt diseases.
3. All weak plants are rogued out immediately when detected and more thoroughly during routine checking at blooming time.
4. Our cuttings are taken not only from healthy reselected plants but also from vigorous young growths as far above the ground level as possible because all disease fungi appear to thrive on the ground and on older section of the plant.
5. We are continually developing new varieties that are disease resistant, also discontinuing varieties we find unsatisfactory. Probably, it becomes obvious to our many old customers at this point why we have drastically reduced listings of many known varieties of the past.



# Large Flowering Commercial Varieties

*In answer to many queries sent in each year requesting differentiation of Commercial and Exhibition large flowering varieties, we admit that there is only a slight difference between the two types. Many varieties in the commercial listing are Exhibition flowers and many Exhibition varieties are also good Commercial flowers. The reason for this segregation is that the Commercial Large Flowering varieties must have these specific qualifications: (a) good substance—a flower that will pack well and keep well after being cut; (b) stiff stem—a stem that will support the flower erect when arranged; (c) good foliage—foliage that is healthy and clean; (d) proven satisfactory by a period of actual marketing.*

## PRICE OF ROOTED CUTTINGS

(Unless Quoted Otherwise)

Each .....	\$ .20
3 of One Name .....	.55
6 of One Name .....	1.00
12 of One Name .....	2.00

## BRONZE

**AMY.** Semi-incurved. Beautiful shade of buff and orange—color similar to "Appert." November 10. **Price:** 50 cents each, 3 for \$1.35.

**BRONZE FRICK.** A sport of "Miss Helen Frick." Apricot bronze with lighter reverse. November 15 on.

**HILDA BERGEN.** Beautiful mahogany bronze incurved. Medium size spherical bloom. October 15.



**BUTTERBALL.** Clear lively yellow incurved. Giant sized. Best in the early class. October 1. **Price:** 20 cents each, 3 for 55 cents.



**CHRISTINA.** Reflexed flower in pure white. Very satisfactory early flowering. October 8. **Price:** 20 cents each, 3 for 55 cents.

## PINK

**LILAC LOVELINESS.** Lavender pink semi-incurved. Medium size. October 25.

**MAJOR EDW. E. BOWES.** Bright rosy pink. Medium size semi-incurved flower but very compact. October 15 or earlier.

**MISS HELEN FRICK.** Incurved clear orchid pink. November 15.

**ORCHID QUEEN.** Giant size incurved in a lovely shade of orchid pink. Strongest stem and easy grower. Height tall. October 25. **Price:** 35 cents each, 3 for \$1.00.

**PINK CHIEF.** Semi-incurved orchid pink. October 5.





**EMPEROR.** Bronzy red reflexed flower. October 20.  
Price: 20 cents each, 3 for 55 cents.



**ORIOLE.** Bright golden yellow. Incurved of giant size.  
Height tall. October 25. Price: 20 cents each, 3 for 55 cents.



**GARNET KING.** Popular garnet red flower of reflexed type. Most luxuriant foliage. November 1. Price: 20 cents each, 3 for 55 cents.



**WHITE CHIEF.** Semi-incurved pure white. October 20.  
**YELLOW CHIEF.** Yellow sport of "White Chief."  
Price: 20 cents each, 3 for 55 cents.





**STERLING.** Large incurved flower in pure white. Good stem and foliage. November 5. **Price: 25 cents each, 3 for 70 cents.**

**PRICE OF ROOTED CUTTINGS**  
(Unless Otherwise Quoted)

Each .....	\$ .20
3 of One Name .....	.55
6 of One Name .....	1.00
12 of One Name .....	2.00

**RED**

**BLACK HAWK.** Deepest crimson red. Reflexed flower of medium size. October 25.

**HARVARD.** Another reflexed flower in a brilliant dark red. November 15 on.

**MOHAWK CHIEF.** Red with gold reverse. Large semi-incurved flower. November 20.

**MRS. DAVID F. ROY.** Semi-incurved flower of good size. Deep crimson and gold reverse. October 20. **Price: 25 cents each, 3 for 70 cents**

**OCTOBER RED.** Carmine red with soft yellow reverse. October 5. **Price: 50 cents each, 3 for \$1.35.**

**WHITE**

**ALBATROSS.** Large incurved. October 20.

**QUAKER MAID.** Reflexed large. One of the earliest. October 1.

**SILVER WEDDING.** Snowy white reflexed type. Tall, November 10.

**VENUS.** Incurved globular white. October 10.

**WHITE FRICK.** Satiny white, large incurved. November 15.

**YELLOW**

**BLAZING GOLD.** Rich golden incurved flower of good size. Good substance, stem and foliage. October 10.

**CELEBRATION.** Rich yellow. Loosely incurved large flower. Healthy grower. October 25.

**CELESTRA.** Clear yellow incurved. October 10.

**DECEMBER QUEEN.** Reflexed. Clearest yellow. Tall grower. December 1 on.

**FRIENDLY RIVAL.** Richest golden yellow. Giant incurved flower. Most outstanding. November 1. **Price: 25 cents each, 3 for 70 cents.**

**GOLD LODGE.** Reflexed medium size flower. Short. October 5.

**GOLDEN PEARSON.** Clear yellow large incurved. November 15.

**HONEY DEW.** Incurved. Pleasing soft yellow. November 15.

**MRS. H. E. KIDDER.** Semi-incurved large rich yellow flower. October 15.

**YELLOW BERGEN.** Semi-incurved yellow sport of "Hilda Bergen." October 15.

**YELLOW MEFO.** Soft yellow incurved. November 5.

**Commercial and Exhibition**

**COLLECTION N**

**10 EARLIEST FLOWERING VARIETIES**

October 1-15

WATANABE BEN LEIGHTON BUTTERBALL  
CHRISTINA EMPEROR GOLD LODGE  
HILDA BERGEN MAJOR EDW. BOWES  
QUAKER MAID MRS. RUSSELL COMPTON

Catalog Price .....\$2.75

Collection Offer .....\$2.00

**COLLECTION O**

**8 EARLY MID-SEASON VARIETIES**

October 15-30

BLACK HAWK DAME ENID LYONS  
ELEGANCE TOTTY'S FERN EDWARDS  
WHITE CHIEF WILLIAM TURNER  
YELLOW CHIEF YELLOW TURNER

Catalog Price .....\$2.45

Collection Offer .....\$2.00

**COLLECTION P**

**10 MID-SEASON VARIETIES**

October 25-November 10

ARIEL

COUNTRY MAIDEN COUNTRY GENTLEMAN  
GARNET KING MOHAWK CHIEF  
MARIE MILLER MASUMI  
MISS HELEN FRICK MUTO'S CRIMSON  
STERLING

Catalog Price .....\$2.80

Collection Offer .....\$2.50



## Giant Exhibition Varieties

Since size is the prime factor in this classification, varieties listed in this group have the largest blooms. Many varieties will grow taller than the regular commercial varieties requiring much heavier staking. They also require wider spacing when planted than other varieties for proper aeration and adequate nutrient requirement.

**Dozen Rate—10 Times the Single Price**  
(dozen of one variety)



**AUTUMN QUEEN.** An elegant large incurved in a most delightful shade of solid orchid pink. October 25. Price: 50 cents each, 3 for \$1.35.



**BEN TASHIMA.** This splendid flower has tubulated petals of purplish mauve and a deeper purple at the spoon tip opening. November 10. Price: 25 cents each, 3 for 70 cents.



**ARIEL.** Large globular flower of pure white at maturity, though a slight trace of pink may appear at premature stage. November 1. Price: 35 cents each, 3 for \$1.00.



**DAME ENID LYONS.** Lovely creamy white, perfectly formed, large semi-incurved flower. October 15. Price: 35 cents each, 3 for \$1.00.





**CORONATION PINK.** A true reflexed type exhibition flower in peerless shade of light rose. October 20. Price: 35 cents each, 3 for \$1.00.



**ORANGE BOWL.** The color is a most beautiful shade of warm bronze with an orange overcast. October 10. Price: 35 cents each, 3 for \$1.00.

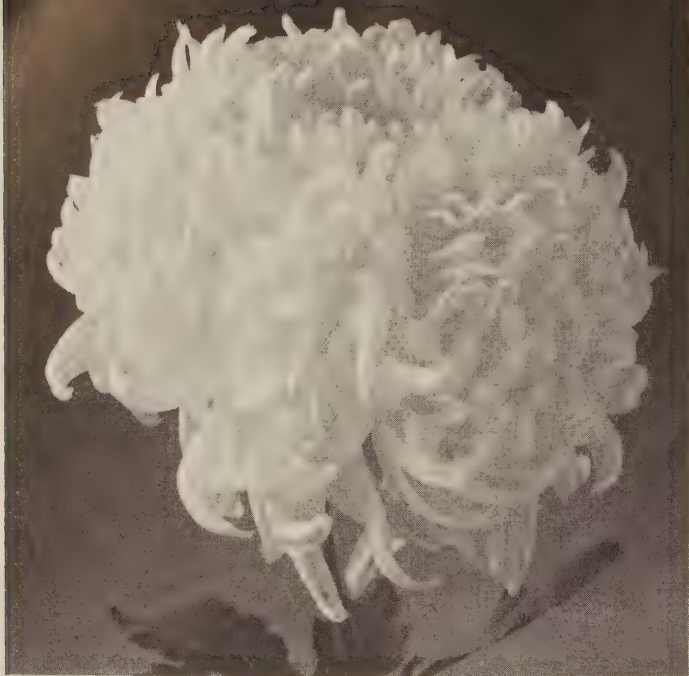


**GWEN PATTON.** Most attractive globular flower in pink. October 20. Price: 25 cents each, 3 for 70 cents.



**GRACE STURGIS.** Rich wine red giant flower with pinkish silver reverse. Tall. November 1. Price: 50 cents each, 3 for \$1.35.





**ELEGANCE.** Pure white giant flower equal in size to the "Turners" and the "Pockets." November 1. Price: 25 cents each, 3 for 70 cents.



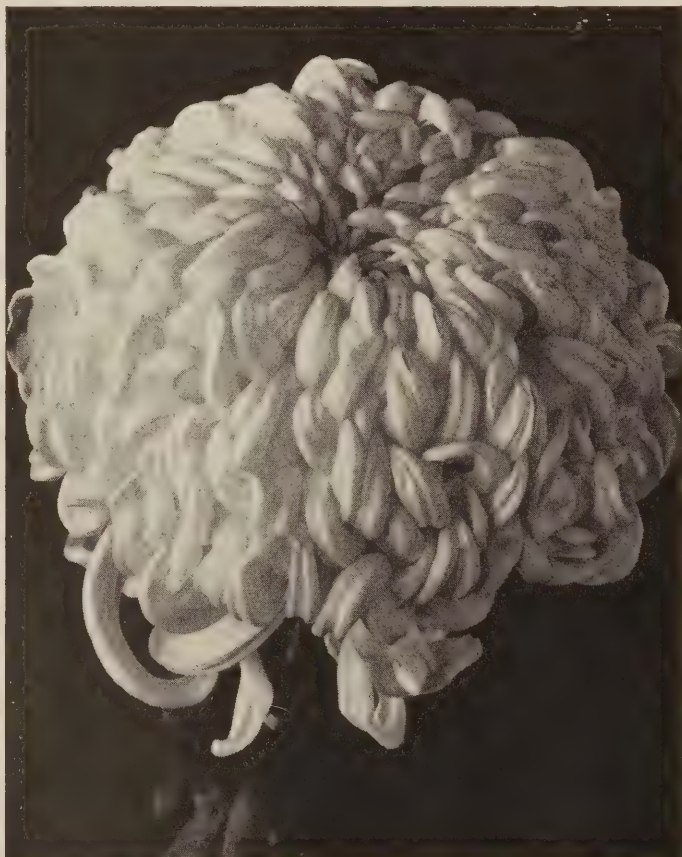
**LADY GOWRIE.** Loosely incurved Giant Flowering white. October 25. Price: 50 cents each, 3 for \$1.35.

### ***Chrysanthemums Can be Grown Anywhere***

*Customers in Northeastern and Eastern States write us of the wonderful success they have had with our Chrysanthemums, though some grew them for the first time. They have been able to grow not only hardies, but also Commercial-exhibition Pompons, as well as the exotic Spidery types. Blooms of some of the Spidery varieties even stand the freezing weather with little protection. Our Southern States customers are pleased with the prize-winning blooms they have been able to produce.*

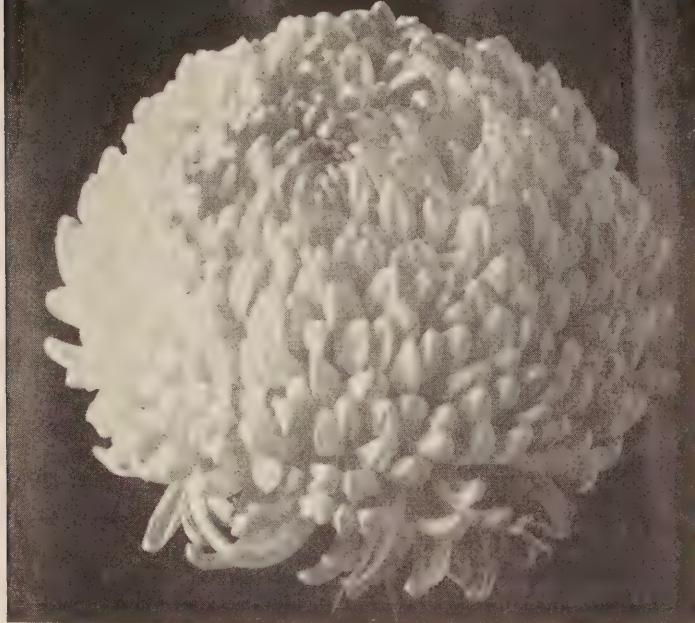


**MASUMI.** Beautiful shade of orchid pink. November 1. Price: 25 cents each, 3 for 70 cents.



**LILLIAN FOLTZ.** Tightly incurved soft shade of clear yellow. October 25. Price: 25 cents each, 3 for 70 cents.





**MARIE MILLER.** Deep yellow incurved flower. November 5. Price: 25 cents each, 3 for 70 cents.



**MRS. RUSSELL COMPTON.** Luminous ox-blood red with buff reverse. October 15. Price: 50 cents each, 3 for \$1.35.

## AIR PARCEL POST

*We recommend Air Parcel Post to all destinations beyond Postal Zone 4 for shipment of Chrysanthemum Rooted Cuttings.*

*Parcels shipped to non-airport city will be forwarded by surface transportation from nearest airport city. Turn to page 2 for rates and other information.*

## Early Orders

*Place your orders early for prompt shipment. We will do our best to ship your order on or near the date requested.*



**MISS FRANCIS LOWE.** This large incurved flower has the most unusual color—the closest description being a crushed raspberry bronze. Tall. November 1. Price: 50 cents each, 3 for \$1.35.



**MRS. IRENE SHEFFLEY.** This deep rust with gold reverse giant incurved matures around November 1. Price: 25 cents each, 3 for 70 cents.





COUNTRY GENTLEMAN

**COUNTRY GENTLEMAN.** A soft yellow sport of "Country Maiden." October 25. Price: 50 cents each, 3 for \$1.35.

**COUNTRY MAIDEN.** Delightful apricot orange shade. Shape and habit identical to "Country Gentleman." October 25. Price: 25 cents each, 3 for 70 cents.

**STEPHANIE.** An exquisite flower of clear fuchsia purple with silvery pink reverse side. October 25. Price: 75 cents each, 3 for \$2.00.

**BEN LEIGHTON.** Deep wine red with a shade of lighter red on the outside of the petals. October 15. Price: 35 cents, 3 for \$1.00.

**MUTO'S CRIMSON.** Sport of "Armistice Day." Deep crimson maroon with gold reverse. November 1 on. Price: 35 cents each, 3 for \$1.00.

**ARMISTICE DAY.** Bright crimson red with gold reverse. Identical to "Muto's Crimson" except color. Price: 25 cents each, 3 for 70 cents.

**PHILIP KAY.** True lavender, large flower. November 1. Price: 50 cents each, 3 for \$1.35.

*HEIGHT. Please note that we have omitted the description of height unless it is the definite characteristic of the variety. Therefore, on the "tall" and the "dwarf" varieties are mentioned as such. The height generally is governed by pinching and bud selection.*



PHILIP KAY



BEN LEIGHTON



STEPHANIE



MUTO'S CRIMSON









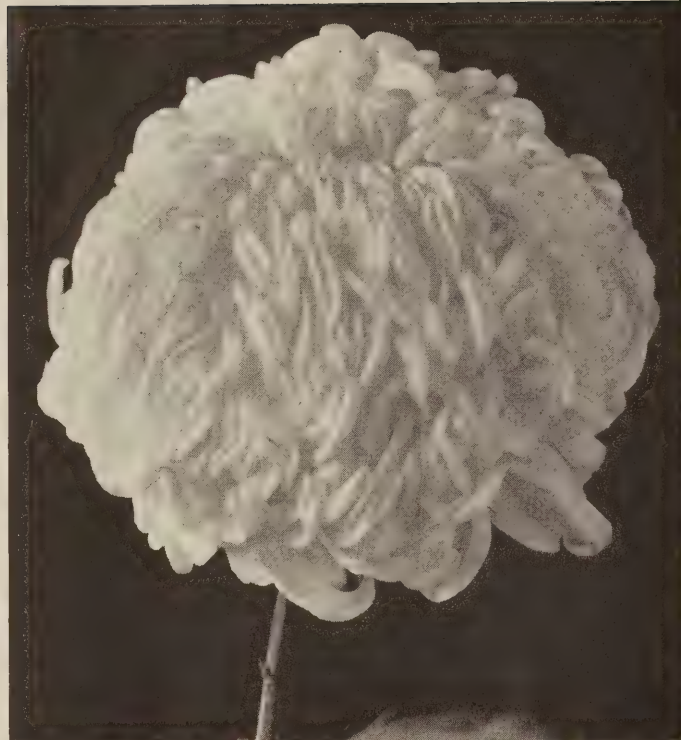
#### POCKETT VARIETIES

**LOUISA POCKETT.** Purest white. Together with the "Turner" varieties, probably the most widely grown flower for show purposes because of its immense size and perfect form. Tall grower. November 1. **Price: 50 cents each, 3 for \$1.35.**

**YELLOW POCKETT.** A light yellow sport of "Louisa Pockett." Together with its parent, this variety is a favorite with all flower show exhibitors. November 1. **Price: 35 cents each, 3 for \$1.00.**



**VICTORY.** Incurved raspberry red. November 1. **Price: 25 cents each, 3 for 70 cents.**



#### TURNER VARIETIES

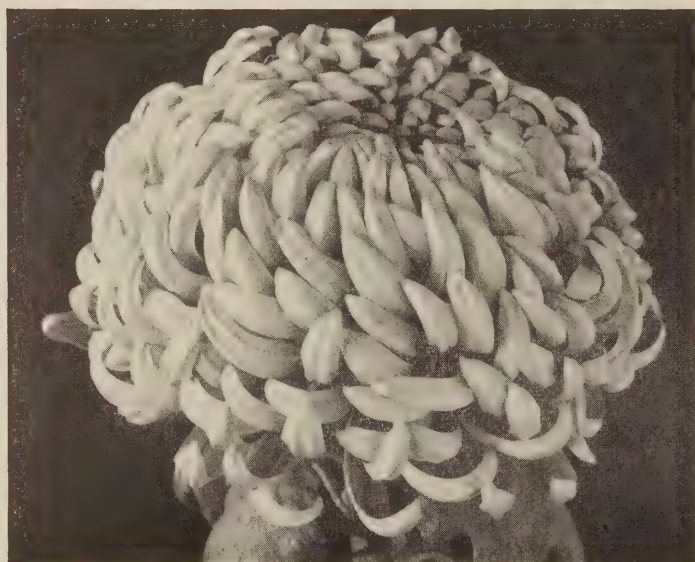
**WILLIAM TURNER.** White. The original "Turner" variety. Well known throughout the world as unrivaled exhibition flower. October 25.

**TURNER BRONZE.** Light bronze sport of "William Turner."

**TURNER PINK.** Another sport of "William Turner." Light pink in color.

**TURNER YELLOW.** Still another soft yellow sport of "William Turner."

25 cents each, 3 of one name for 70 cents.



**WANDA OLMSTEAD.** Amaranth red inside and iridescent lilac rose reverse. Very formal incurved. October 15. **Price: \$1.00 each, 3 for \$2.75.**





**STROMNESS.** Snow white sport of "Greer Garson." Reflexed flower with a most intriguing center swirl. October 25. **Price: 25 cents each, 3 for 70 cents.**

**GREER GARSON.** Pleasing soft pink. Identical otherwise to "Stromness." **Price: 25 cents each, 3 for 70 cents.**

#### VARIETIES NOT ILLUSTRATED

**APPERT.** Large incurved flower in a strikingly beautiful orange. November 1. **Price: 50 cents each, 3 for \$1.35.**

**BIRMINGHAM.** Dazzling crimson with golden reverse. Semi-incurved. November 5. **Price: 50 cents each, 3 for \$1.35.**

**CLARA TRUEMAN.** Beautiful bright red with gold reverse. Tall grower. October 25. **Price: 25 cents each, 3 for 70 cents.**

**DR. J. M. INGLIS.** Loosely incurved giant flower rich wine red and silvery reverse in color. Tall grower. November 1. **Price: 35 cents each, 3 for \$1.00.**

**EL MONTE.** Outstandingly different large flowering decorative exhibition flower of superbly dwarf growing nature. The color is a beautiful terra-cotta red bordering to a rich golden bronze. November 10. **Price: 50 cents each, 3 for \$1.35, \$5.00 per dozen.**

**HARVEST MOON.** Bright yellow of spectacularly enormous size. Take second crown or terminal bud. October 30. **Price: 50 cents each, 3 for \$1.35.**



**SHIRLEY CHAMPION.** Bright yellow large incurve. Most luxurious foliage. November 1. **Price: 75 cents each, 3 for \$2.00.**

**IZALCO.** Perfectly globular incurved flower of medium size. Inside of the petal is rich wine red and the outside is a beautiful lilac rose. October 15. **Price: 50 cents each, 3 for \$1.35.**

**JEAN ELIZABETH.** White sport of "Orchid Queen." October 25. **Price: 25 cents each, 3 for 70 cents.**

**JOHN POCKETT.** A rosy crimson broad petalled reflexed large flower. October 25. **Price: 50 cents each, 3 for \$1.35.**

**ROBERT EDDIE.** Large reflexed in a beautiful shade of light amaranth rose. November 1. **Price: 25 cents each, 3 for 70 cents.**

**THOS. POCKETT IMPROVED.** Enormous flower of deep pink and silvery pink reverse. November 1. **Price: 50 cents each, 3 for \$1.35.**

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**THE BLOOMING DATES.** The blooming dates are also based on observations made at our Gardens in San Gabriel, where a uniform cultural pattern is followed for a number of years. Young plants were set out between May 15 and June 30 or even later according to the order of each blooming period. The center growths were topped when they reached about 6 inches tall and in some cases topped several times. The terminal buds were taken for all early varieties while mostly any buds retained after September 1. According to the data gathered by us recently, we found that our flowers appear to blossom between 5 to 10 days before those of the Mid-Western and the Eastern growers. This can be attributed only to the relatively higher temperatures that we encounter locally during the months of September and October.

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**WILLA TEMPLIN.** Ravishing golden bronze with large tubular petals. October 20. Price: 35 cents each, 3 for \$1.00.



**POCKETT'S MAROON.** Enthralling shade of velvety oxblood red with buff reverse. October 15. Price: \$1.00 each, 3 for \$2.75.



**ELEGANCE (Totty's).** Beautiful soft shade of pink, deeper at the center. October 25. Price: 50 cents each, 3 for \$1.35.



**SUNNYSLOPE BRONZE.** Tightly incurved old-gold bronze. November 1. Price: 35 cents each, 3 for \$1.00.



# POMPON\* SECTION

*\*In florist trade, the term "POMPONS" is referred only to small flowering varieties such as Buttons of less than 1 inch and Disbudded Pompons measuring about 3 inches in diameter. In other words, Pompons are not large flowers.*

## BUTTON OR MINATURE TYPES

### PRICE OF ROOTED CUTTINGS (Unless Quoted Otherwise)

Each .....	\$ .20
3 of One Name .....	.55
6 of One Name .....	1.00
12 of One Name .....	2.00

**ANNETTE.** A charming pink shade. November 5.

**ANN FULTON.** Exceptionally popular pink with deep rose center. October 25.

**BABY.** Clear yellow. A real miniature even among buttons. November 1.

**BONNIBEL.** Lovely shade of bronze. October 25.

**CLARA JAMESON.** Exceptionally beautiful bronze. October 15.

**CLARE.** Most satisfactory white. October 30.

**DOROTHY NEHRING.** Deep rose pink. October 25.

**IRENE.** Perfectly round flower in pure white. October 15.

**NUGGETTS.** Ever popular rich golden yellow. October 25.

**PATSY DOWD.** Blend of red and rust red. October 25.

**SNOWFLURRY.** Larger size white button. November 15. Price: 25 cents each, 3 for 70 cents.

**SUZANNE.** Pleasingly different "Calico" mixture of deep rose and light pink. November 1. Price: 25 cents each, 3 for 70 cents.

**YELLOW IRENE.** Lemon yellow sport of "Irene." October 20.

## University of Illinois Introductions

**ILLINI BOUNTIFUL.** Creamy white larger size button sprays formed on very erect stems. November 10.

**ILLINI BRAVE.** Yellow button about the size of "Pixie." November 10.

**ILLINI REDHEAD.** Beautiful red button type. November 10.

**ILLINI SNOWFLAKES.** White decorative pompon of a most unusual formation. Petals are feathery in form and deeply serrated along the edges. November 10.

**ILLINI WARRIOR.** Button type in warm apricot bronze. November 10.

Price: 20 cents each, 3 for 55 cents (one name))

## Pompon Collections

### COLLECTION Q

#### 10 EARLY FLOWERING VARIETIES

September 15-October 15

BURMA CHARLES NYE CHIPPEWA  
COURAGEOUS GOLDEN FAIRY HUNTSMAN  
QUEEN OF PINKS PINK RADIANCE  
PRISTINE TIFFANY ROSE

Catalog Price .....\$2.35

Collection Offer .....\$2.00

### COLLECTION R

#### 10 EARLY MID-SEASON VARIETIES

October 15-25

ALGIERS ARCADIA YELLOW ARCADIA  
ELORA JOAN WELLS NATOMA  
PINK DOT NAVAHO MOONGLOW  
YELLOW DOT

Catalog Price .....\$2.00

Collection Offer .....\$1.75

### COLLECTION S

#### 10 MID-SEASON VARIETIES

October 25-November 5

BARCAROLE CAMPFIRE CELEBRITY  
FAIRMAID LETITIA  
HIGHLIGHT MISSION RUBICON  
CRYSTAL BEAUTY THYRA

Catalog Price .....\$2.00

Collection Offer .....\$1.75

### COLLECTION T

#### 10 LATE FLOWERING VARIETIES

November 5 on

CHRISTMAS RED IMPROVED  
GOLDSMITH BRONZE KRAMER  
TREASURE IS. WHITE CHRISTMAS STAR  
ELSIE KRAMER PEACH KRAMER  
ROSE KRAMER WHITE KRAMER  
TREASURE ISLAND YELLOW

Catalog Price .....\$2.00

Collection Offer .....\$1.75



# Intermediate Type Pompons

## PRICE OF ROOTED CUTTINGS (Unless Quoted Otherwise)

Each .....	\$ .20
3 of One Name .....	.55
6 of One Name .....	1.00
12 of One Name .....	2.00

Varieties listed under this title are to be grown as sprays. Should be topped at least three times during the summer to encourage them to form a good size bush.

### BRONZE

**ALGIERS.** Bright apricot bronze. October 25.

**ARGO.** Bronzy orange. December 1.

**BONTON.** Clear golden bronze. October 20.

**BRONZE BULKELEY.** Beautiful buff-bronze. October 20.

**CHEVRON.** Intense reddish rust. November 5. **Price: 25 cents each, 3 for 70 cents.**

**COPPERHEAD.** Large coppery bronze decorative. November 10. **Price: 25 cents each, 3 for 70 cents.**

**FIREFLY.** Reddish rust for October 25. **Price: 25 cents each, 3 for 70 cents.**

**JOAN WELLS.** Orange bronze with dark center. October 15.

**NATOMA.** Decorative in deep bronze. October 25.

**PARAGON.** Intense reddish rust. November 15. **Price: 25 cents each, 3 for 70 cents.**

**PEGGY POESCH.** Clear bronze. November 1.

**RUBICON.** Bright reddish bronze. November 1.

**TRIANON.** Deep bronze. October 25.

**WILDFIRE.** Orange bronze decorative. December 1.

### PINK

**EDITH ROBERTS.** Deep orchid pink. October 5. **Price: 25 cents each, 3 for 70 cents.**

**GRACIE FIELDS.** Decorative purple. November 1.

**HIGHLIGHT.** Combination of light pink with dark pink center. November 1.

**LETITIA.** Clear pink with deep pink center. October 25.

**MISSION.** Soft pink with deep rose center. October 30.

**PINK DOT.** Clear pink with deep pink center. October 15.

### RED

**CAMPFIRE.** Orange red. November 15.

**CHRISTMAS RED IMPROVED.** Bright crimson red. December.

**NAVAHO.** Crimson bordering to a reddish bronze. November 1.

**ROBIN HOOD.** Ox-blood red. October 25.

**ROYAL CRIMSON.** Attractive crimson red. November 20.

**SANOVAR.** Decorative red. November 10. **Price: 25 cents each, 3 for 70 cents.**



**SUNNYSIDE**

### WHITE

**CRYSTAL BEAUTY.** Pure white. November 10.

**MOONGLOW.** Prolific clear white. October 15.

**POPCORN.** Lovely white. October 15.

**SILVERPLATE.** White decorative. October 10. **Price: 25 cents each, 3 for 70 cents.**

**SILVERSMITH.** Pure white decorative. December 10.

**SPANGLES.** Small white. December. **Price: 25 cents each, 3 for 70 cents.**

**SNOW CREST.** Solid white. December.

### YELLOW

**BARCAROLE.** Rich golden yellow. November 1.

**CANARY.** True canary yellow. November 15.

**GOLDEN ANNIVERSARY.** Bright golden. December 15.

**GOLDEN CHORD.** Beautiful golden color. November 15. **Price: 25 cents each, 3 for 70 cents.**

**KLONDIKE.** Orange yellow newcomer. November 20. **Price: 25 cents each, 3 for 70 cents.**

**SUNNYSIDE.** Top quality yellow. November 20.

**YELLOW DOT.** Yellow with dark eye. October 20.



# Treasure Island Strain of Spray Chrysanthemums

Noted strain that can be delayed for Christmas market in Southern California. Very heavy producer of quality flowers about 2 inches in diameter. They are supplied in four shades: Bronze, pink, white and yellow. All at standard price of 20 cents each, \$2.00 dozen.

## Pompons Suitable for Disbudding

These varieties, when disbudded, will form flowers about 2 to 3 inches in diameter.

### PRICE OF ROOTED CUTTINGS (Unless Quoted Otherwise)

Each .....	\$ .20
3 of One Name .....	.55
6 of One Name .....	1.00
12 of One Name .....	2.00

Varieties listed in this group should be disbudded after a good size bush is first obtained. Flowers thus treated will be more perfectly formed and much larger in size than not disbudded.

### BRONZE

**BRONZE THYRA.** Salmon bronze sport of "Thyra." November 1. Price: 25 cents each, 3 for 70 cents.

**CELEBRITY.** Decorative. Rich apricot-bronze. October 25. (Illustrated, see page 32)

**DOROTHY TURNER.** Orange yellow with reverse side of red. November 15.

### PINK

**ANGELO.** Soft pink. October 10.

**CALIFLORAL PRIDE.** Deep pink and silvery edge. November 1.

**DAWN.** Lovely soft pink almost white. November 1.

**ELORA.** Shell pink. October 25.

**FAIRMAID.** Stunning daybreak pink. October 25

**MASTERPIECE.** Tourmaline pink. October 25. (Illustrated.)

**QUEEN OF PINKS.** Deep orchid pink. October 15. (Illustrated.)

**THYRA.** Deep lavender pink. November 1. (Illustrated.)

### WHITE

**ARCADIA.** Pure white. October 25.

**PRISCILLA.** Globular white. November 20.

**PRISTINE.** Glistening white best early. October 20. (Illustrated.)



Top: THYRA

Center left: MASTERPIECE; center right: PRISTINE; bottom left: GOLDEN FAIRY; bottom right: QUEEN OF PINKS.

### YELLOW

**CININNATI.** Rich golden yellow. October 10.

**GOLDSMITH.** Deep yellow for Thanksgiving.

**GOLDEN FAIRY.** Best early clear yellow. October 15. (Illustrated.)

**GOLDEN HERALD.** Richest golden decorative. October 25. Price: 25 cents, 3 for 70 cents.

**ROBERT HARKEY.** Bright golden large semi-incurve. October 30. Price: 25 cents each, 3 for 70 cents.

**YELLOW ARCADIA.** Light yellow. October 25.

**YELLOW SEAGULL.** Clear yellow. October 20.





**CELEBRITY—BRONZE**  
A Typical Decorative Pom

## We Recommend These 8 Sunnyslope's New Introductions of Decorative Large Pompons

**CATTLEYA.** (A-24). Clearest orchid pink, good size flowers. November 1.

**CORAL FROST.** (A-11). Gloriously beautiful blending of bronze, coral, and pink shades. October 20.

**DEANNA LEE.** (A-96). Our greatest pride. Brightest red we know. October 20.

**GOLD DUST.** (A-84). Clear yellow large type decorative. October 20.

**LINDA.** (A-36). Most popular deep rose pink large decorative flower. October 15.

**MAID OF ORLEANS.** (A-53). Purest white. Wealth of large flowers around October 15.

**PINK DREAM.** (A-113). Truest baby pink available in chrysanthemum. Semi-incurved and best when disbudded. October 25. **Price: 50 cents, 3 for \$1.35.**

**TRIUMPH.** Deep wine red (almost purple) smaller size pom which is unique and beautiful.

Price of rooted cuttings, unless otherwise quoted:

25 cents each, 3 of one name for 70 cents.

One each of the above 8 varieties for \$2.00.

**COLOR VARIATION.** All color descriptions given in this catalog are somewhat arbitrary. They are observations made here in San Gabriel, California, where the plants were grown under normal conditions and taken during their best period. Undoubtedly, the colors given would be more intense when cultivated in the cooler sections of the country, which is evident when an identical variety is grown in the cool coastal areas only 30 miles away from San Gabriel, while the same variety may become lighter in color when raised in the desert areas of California, Arizona, and parts of Texas, where late summer weather prevails during the Chrysanthemum season. Complete absence of the bronze color from the variety, "Mamoru," and the green color from "Nightingale" is evidence of color bleaching when subjected to prolonged solar heat during the blooming period.

## *Elsie Kramer Varieties for December Flowering*

Probably there is no other variety in spray chrysanthemums so widely cultivated today by the commercial cut flower growers for Christmas season here in Southern California than the original "Elsie Kramer" (Pink) and many of its sports.

We offer these colors:

Bronze	Peach
White	
Rose	Yellow

20 cents each, \$2.00 per dozen

Also 4 new Sports:

Burgundy	Copper
Red	
Reddish Bronze	

25 cents each, \$2.50 per dozen

### Goya Red Kramer

50 cents each, 3 for \$1.35

(supply limited)



# Cascade Varieties

The Cascade varieties are all of exceptional beauty and exquisite daintiness. While chosen primarily for the ease with which they may be trained to hang or "cascade" downward, there are numerous ways in which they may be made to yield equally gratifying results with a minimum expenditure of time and effort.

Planted in the garden and topped a number of times in the usual manner, these little-heralded horticultural phenomena will develop a rugged bushiness or free flowering growth that for sheer beauty may, perchance, outrival the much vaunted glory of the larger and more pretentious of their brethren.

Grown in pots and without special training, they may be taken care of in the open until such time as it is desirable to transfer them indoors, where their presence may lend a bit of sunshine to what otherwise might be a colorless interior. Let the Fall season of dark shadows and crispness of air be brightened and warmed by the comforting cheer irradiating from one or more well-groomed plants of this type strategically placed on window ledge, bench or table.



JANE HARTE

## New Cascade Introductions

**AMBER.** (A-134). Most beautiful reddish bronze star-like flower. Very prolific free branching type. November 1.

**LAVENDER BEAUTY.** (A-70). Daisy type of a beautiful lavender pink. Extremely free flowering and lasting. October 20.

**PINK PEARL.** (A-165). Superb matchstick spoon type in a charmingly beautiful shade of soft pink. Individual flower measuring uniformly around 2½ inches in diameter. October 25.

**RED CHARM.** (A-158). Exceptionally fine full centered red spoon variety. Splendidly free branching and healthiest dark glossy foliage. November 15.

**YELLOW GLEAM.** (A-4). Daisy yellow quite similar to "Jane Harte" but very bushy. Ideal when wide and somewhat shorter cascade is desired. October 30.

Prices on above: 25 cents each, 3 of one name 70 cents.

Collection price: 1 each of above 5 at \$1.00.

## Standard Varieties

### PRICE OF ROOTED CUTTINGS (Unless Quoted Otherwise)

Each .....	\$ .20
3 of One Name .....	.55
6 of One Name .....	1.00
12 of One Name .....	2.00

**ANNA.** White daisy type flower with golden yellow center. Blooms about 2 inches in diameter. Grows like "Jane Harte" in the illustration. November 1.

**CAMEO.** Dainty small button anemone flower in deep lavender also shading deeper at the center. Splendid for a medium size cascade. October 25.

**FIREFALL.** Garnet red daisy type flower. Free flowering and attractive. October 30.

**FORTUNE.** Semi-double flower in magenta purple. November 10.

**GERTRUDE COMPTON.** Button anemone type flower in pure yellow. Suitable for medium size cascade and splendid for rock gardens or borders. October 20.

**HALLOWEEN.** Anemone type flower. Bronze petals and deep bronze center cushion. Matures October 20.

**JANE HARTE.** A clear yellow sport of "Anna." Together with its parent, the most popular and satisfactory cascading variety of today. November 1.

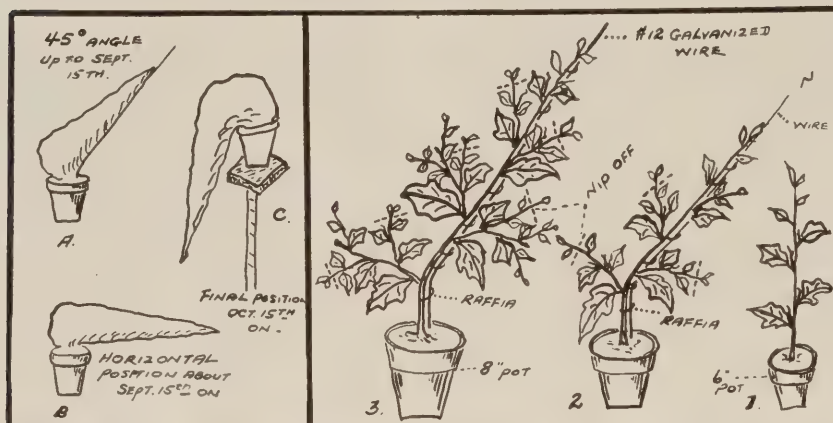
**LAVENDER MIST.** Lavender pink anemone flower. November 1.

**NIAGARA FALLS.** Creamy white blossoms about 3 inches in diameter. Best early flowering cascade. October 20.

Collection price: 9 for \$1.50.



# Cultural Suggestions for Cascades



TYING AND PINCHING  
(See Drawings and Photos)

## Suggestions for Culture of Cascades

**PREPARATION OF SOIL.** The potting soil is prepared by mixing 2 parts by volume of fibrous loam of good structure, 2 parts well decayed leaf mold, and 1 part of manure. In addition, a 5-inch pot full of bone meal or superphosphate may be incorporated to every 3 bushels of mixture. This soil mixture may be prepared in large quantities and stored in shelter for later use.

**FERTILIZER.** Twice a month, application of commercial fertilizer (liquid fertilizer preferred) should be made during the most active growing months for cascades commencing from mid-May up to the formation of buds. When dry commercial complete fertilizers are used, it is cautioned not to over-feed a plant, always remembering that light applications frequently made are far better than over-dosing it at any time.

**RE-POTTING.** Plants may be put into 7-inch pots when bought from us. Two or three shiftings into larger pots are required during the season and these shifts should be made before plants from their first root network around the inside of their containers. Final repotting may be made about the middle of July or thereabouts and size of pots used depends on the size of Cascades.

**TYING AND PINCHING.** When the plant grows to about 12 inches tall (Drawing No. 1), it is bent from about the middle and its end tied to a fairly long No. 12 size wire and is bent at an angle of 40 degrees (as in Fig. 2). The supporting wire should point north and the leader must be tied to it with raffia (see Figs. 2 and 3) at least once a week. All laterals and sub-laterals should be pinched at every second or third leaf joints as in Fig. 2, and this operation should be repeated continuously until around September 15. As the plant increases in width, an additional support is necessary to prevent toppling over on one side (see Fig. 4). The main leader is lowered gradually so that it will be in horizontal position around September 15, as in Fig. B. When buds begin to form, the main stem starts bending vertically from its horizontal position, with the surface of the plant facing south, as in picture No. 5.

When buds begin to show color, the pot is placed on a high position so that the sprays will not touch the ground and bent to its final vertical position (as in Fig. C. Also see illustration of "Jane Harte").



## Cultural Suggestions — Commercial and Exhibition Types

**SOIL PREPARATION.** Chrysanthemum beds should be prepared early by spading into the ground a liberal amount of decayed manure. The ground should be spaded to a depth of 12 to 15 inches. Peat is used if ground is either too sandy or too heavy.

**FERTILIZING.** About three applications of complete fertilizers should be made at two to four pounds per 100 square feet. Feeding should be avoided during periods of extreme heat or when soil is too dry. The soil is watered before the application if necessary. The last application is made when buds are large enough to make the final selection (Figure 2 below).

**STOPPING.** When the plant is established in the garden and has developed two or three pairs of matured leaves, the center or the main growth is nipped off. From then on, the plant should be restricted to form about three or four shoots in order to obtain large blooms. For a late blooming variety, the main growths of these new shoots may be nipped off again around July 15 in order to regulate the height.

For disbud pompons and anemones, six to eight stems are allowed to grow to a plant. Other cultures for these are similar with those of large flowering varieties.

**DISBUDDING.** (See drawings below.) Immediately after new shoots of your selection begin to send out new laterals, they should be removed very close at the base (see lowest lateral of Figure 1) at regular intervals of about once a week. This procedure should be adhered to religiously in order to obtain successful results.

**SELECTION OF BUDS.** The first bud produced by the plant is called the "Crown bud" and is distinguished by being surrounded with leaves. The "Terminal bud" appears later in clusters surrounded with flower buds.

The procedure of "taking buds" depends very largely on the variety, and no fast rule can be given, but we recommend retention of terminal buds for majority of early flowering Commercial and Exhibition types, particularly here in Southern California. The safest rule, we find, is not to save buds formed before August 20 in our district. Retention of early formed "Crown buds" often results with large percentage of crippled flowers, especially when a large amount of nitrogen fertilizer remains unconsumed by the plant. Furthermore, since the hottest period of the year usually comes during the month of September and early October, the hazards of burnt petals and fading of colors are too frequently experienced when early crown buds are retained in our district.



The final selection of a bud should not be made too hastily nor when it is very small (see Figure 1). It is also advisable to allow an alternate bud (see Figure 2) to remain until one is certain of all defects when final selection is made (Figure 3).

### CONTROL MEASURES FOR INSECTS AND DISEASES

#### INSECTS:

1. Leaf tyer. A brown moth emerges at night and lays white eggs which hatch into white caterpillars, but later change into a green color. Control: DDT.
2. Aphids, leaf miner, and red spider. Controlled with sprays such as "Vaportone," "Parathion" etc.
3. Thrips. Control: DDT.
4. Mealy bugs. Control: White oil emulsion sprays.

5. Tarnished plant bug. A yellowish brown bug with long probosci used to puncture young shoots. Control: Handpicking or DDT.
6. Grasshoppers. Control: Dusting with arsenical compounds.
7. Cutworms. Control: DDT.
8. Slugs, snails, sowbugs and milipeds. Control: Baits.

#### DISEASES:

1. Rust. Indicated by blisters and exposes dark brown powder—a mass of spores. Infested leaves should be removed and burned. Control: Fermate.
2. Mildew. It has white powdery appearance. Control: Sulphur dust or sprays.

**STAKING.** Individual stem should be supported with stake or other means to hold the blooms upright.



# Culture for Bush or Garden Varieties

Under this heading come small Pompons, small Anemones, Singles and Hardy varieties. These varieties are most effective in the garden when grown low with as much growth as possible. This effect is easily obtained by pinching off centers of all laterals three or four times up to 1st or 10th of August. This method will prevent plants from toppling too freely.

## Garden and Greenhouse Chrysanthemums

By ALEX LAURIE and D. C. KIPLINGER

We sell and recommend this book collaborated by two of the Nation's foremost authorities covering all phases of Chrysanthemum such as its History, Classification, Cultures, Breeding, Judging, etc.

Price: \$2.50 postpaid.

## Hardy Varieties

These varieties are especially recommended for regions where early frost prevails, as they possess hardy, early flowering qualities. Blooming dates, September 1 to October 20.

### PRICE OF ROOTED CUTTINGS (Unless Quoted Otherwise)

Each .....	\$ .25
3 of One Name .....	.70
6 of One Name .....	1.25
12 of One Name .....	2.50

**AVALANCHE.** Ranks high in the class of weather resistant whites. September 10.

**BETTY.** Lovely apple blossom pink with deep rose center. October 10.

**BOKHARA.** Beautiful blending of rosy crimson and wine shades. October 10.

**BURMA.** Glistening bronze with undertone of copper and soft pink. October 10.

**CARNIVAL.** Glorious blend of bronze, red and golden bronze. October 10.

**CARMINE QUEEN.** Brilliant carmine red. October 10.

**CHARLES NYE.** Clearest yellow. October 1.

**CHIPPEWA.** Large decorative aster purple flower. September 25 on.

**COPPELIA.** Rich Indian-red with bronze undertone. October 15.

**COURAGEOUS.** Crimson decorative. October 5.

**CYDONIA.** Vivid, fiery, orange-red with a slight bronze overcast. October 5.

**FIRESIDE.** Burnt orange and salmon decorative. October 10.

**HONEYCOMB.** Intense golden yellow. September 25.

**HUNTSMAN.** Vivid scarlet orange with a beautiful shade of walnut bronze overcast. October 10.

**JOYBRINGER.** Salmon rose decorative. Dwarf, spreading habit. October 10.

**KARL REICHE.** Compact little pompon in tone combination of Bengal-rose, red, mauve, and strawberry. September 30.

**LAVENDER LADY.** Free flowering true lavender. September 30 (Illustrated page 37.)

**MAESTRO.** Low growing white pom. October 10.

**PEPITA.** Charming creamy white button. September 25.

**PINK RADIANCE.** Luminous pink. October 10.

**RAPTURE.** Charming blend of orange and carmine. October 15.

**RED GOLD.** Bronzy red medium size. September 15.

**RED VELVET.** Velvety red flowers. October 5.

**ROSITA.** Persian rose button flower. October 10.

**SALMON FRIEDA.** Lovely salmon pink flower. October 1.

**SEPTEMBER DAWN.** Lovely pink. September 15.

**SEQUOIA.** Exquisite rich mellow amber. October 10.

**STELLA.** Closest to the true pink. October 1. **Price:** 50 cents each, 3 for \$1.35.

**SYMPHONY.** A blend of mauve, coppery pink and soft lavender. October 10.

**TIFFANY ROSE.** Deep rose with a faint under tone of cream. October 10.

**WHITE WONDER.** Most productive creamy white. October 10.

**YELLOW AVALANCHE.** Soft yellow sport of "Avalanche."





## Hardy Varieties

### COLLECTION U

AVALANCHE BETTY  
BOKHARA CARMINE QUEEN  
CYDONIA JOYBRINGER  
SALMON FRIEDA SEQUOIA  
WHITE WONDER  
YELLOW AVALANCHE

Catalog Price .....\$2.50

Collection .....\$2.00

## 8 Spoon Varieties

### COLLECTION V

KIMIE  
MRS. GWEN CHEESEWRIGHT  
MRS. ALAN MORPHY  
ORANGE SPOON PAULA  
SCINTILLATION  
SNOW QUEEN  
YELLOW SPOON

Catalog Price .....\$2.40

Collection .....\$2.00

# Spoon Chrysanthemums

## PRICE OF ROOTED CUTTINGS

(Unless Quoted Otherwise)

Each .....	\$ .30
3 of One Name .....	.85
12 of One Name .....	3.00



FROLIC

**FROLIC.** Rich golden yellow throughout. October 25.

**JOAN BERGER.** A beautiful Orchid pink. November 5.

**KIMIE.** A large size spoon of a beautiful clear yellow throughout. October 20.

**MRS. ALAN MORPHY.** Wealth of soft shell pink flowers 3½ inches across on a lovely bush. October 25.

**PAULA.** A spectacular new introduction. Quilled part is buff yellow and the broad spoon opens to a stunning bright crimson. Produces abundance of 3-inch diameter flowers around October 25. (Illustrated.)



**MRS. GWEN CHEESEWRIGHT.** Single layer petals of grayish lavender quill and spoon opening of a stunning rose pink. November 5.

**ORANGE SPOON.** Orange yellow large spoon type flower. November 10.

**PAULINE.** Soft yellow throughout. November 5.

**SCINTILLATION.** A luminous orchid pink spoon blooming around October 20. (Illustrated.)

**SNOW QUEEN.** Unparalleled pure white spoon. November 1. (Illustrated.)

**YELLOW SPOON.** Double spoon in buttercup yellow. October 5.



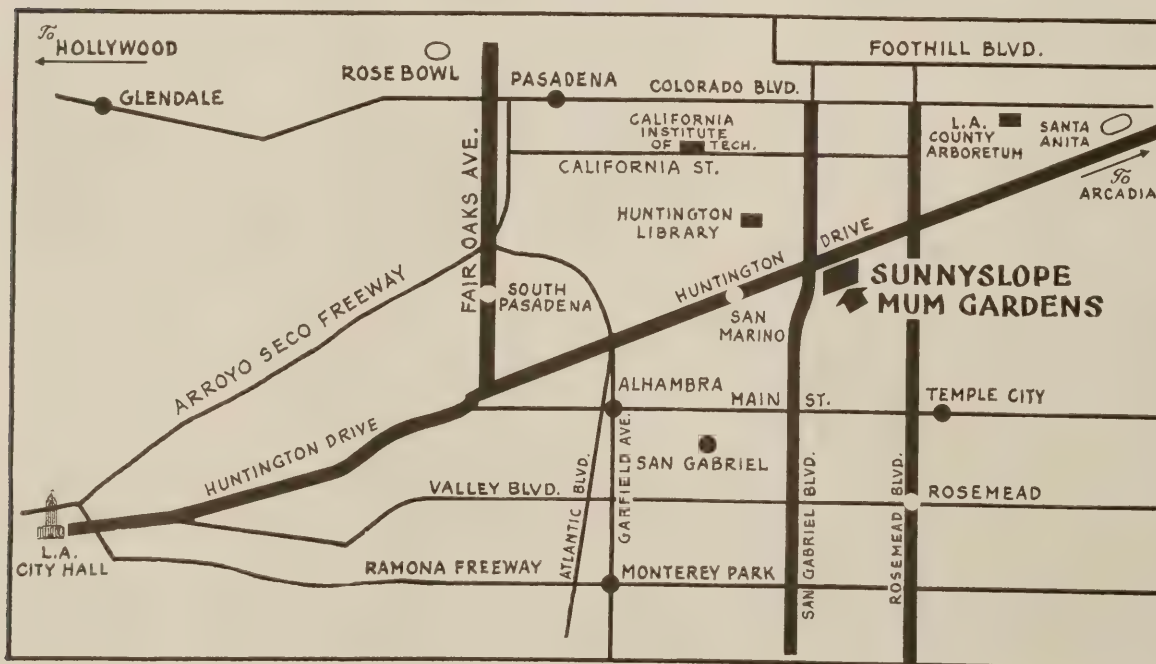
**SCINTILLATION**



**SNOW QUEEN**

**CERTIFICATE OF INSPECTION FOR INTER-STATE SHIPMENTS.** Our plants are inspected by the Bureau of Entomology and Plant Quarantine of the California Department of Agriculture and each package carries a Certification of Permission to move interstate.

**TO OUR CALIFORNIA CUSTOMERS:** Having complied with rigid pest inspection requirements of the California Department of Agriculture, we are authorized to use Official Inter-county nursery stock certificates (Pinto tag) permitting shipments to other counties without destination inspection. Destination inspection is still necessary only in the counties of Butte, Colusa, Sutter, Tulare, Ventura, Yuba.



#### HOW TO REACH SUNNYSLOPE 'MUM GARDENS

From Long Beach and South: North on Lake-wood-Rosemead Blvd. (Highway 19) to Huntington Drive. Turn left on Huntington Drive to our Nursery.

From Hollywood and North: Take Colorado Blvd. through Glendale, Eagle Rock and Pasadena to San Gabriel Blvd. Turn South on San Gabriel Blvd. to Huntington Drive. Our Nursery is near the South-east corner of the intersection.

From Riverside and Pomona Districts: Take Foothill Blvd. (Highway 66) to Huntington Drive at Arcadia. Follow West on Huntington Drive to our Nursery.

Motor Coach direction from Los Angeles: Take Arcadia-Monrovia Bus Line which passes Huntington Drive to San Gabriel Blvd. Station. **DO NOT TAKE SAN GABRIEL BUS LINE.**



# ANEMONE SECTION

*Anemone flowering varieties have large, high, neatly formed disc or cushion florets and regularly arranged ray petals of various lengths. These varieties should be disbudded after a bush is developed in order to obtain more perfect flowers. Varieties not to be disbudded are so stated.*

## PRICE OF ROOTED CUTTINGS (Unless Quoted Otherwise)

Each .....	\$ .20
3 of One Name .....	.55
6 of One Name .....	1.00
12 of One Name .....	2.00

### BRONZE

**BRONZE FRIEDA.** Buff bronze with cushion of yellow. November 1. (Illustrated.)

**BRONZE TUXEDO.** Apricot bronze sport of "Tuxedo." November 1. Price: 25 cents each, 3 for 70 cents. (Illustrated page 40.)

**ESTRELLITA.** A buff bronze throughout. Conspicuously large cushion. November 5.

**ROLINDA.** Reddish bronze. November 20.

### PINK

**BETTY ROSE.** Clear pink ray petals with cushion of lighter pink. October 25.

**DORIS LOUISE.** Deep rose pink sport of "Frieda." Cushion is yellow. November 5. (Illustrated.)

**ELIZABETH.** Light pink sport of "F. S. Parks." November 1.

**FRIEDA.** Deep orchid pink with a yellow cushion. November 1. (Illustrated.)



**FRIEDA—Orchid Pink**  
**DORIS LOUISE—Rose**  
**BRONZE FRIEDA—Buff**



**F. S. PARKS—White and**  
**ELIZABETH—Pink**

**MAJORETTE.** Beautiful orchid pink ray petals with high cushion of lighter pink. Small size anemone type. November 10. Price: 25 cents each, \$2.50 per dozen.

**ORCHID BEAUTY.** Medium size orchid pink flower with prominently high cushion of yellow. November 10.

**ROSE MADDER.** Has extra large cushion center surrounded by double rows of short pointed ray petals. Rose pink throughout. October 30.

**SYLVIA MARSHALL.** Lavender pink ray petals with light yellow cushion. November 1.

**TUXEDO.** Exceptionally large flower of ever changing color from deep rose to light pink. Tufted cushion is extra large. November 1. Price: 25 cents each, 3 for 70 cents. (Illustrated page 40.)

### WHITE

**BLANCHE.** Medium size flower of pure white petals with a clear yellow cushion. November 1.

**C. D. WOLFE.** White ray with white cushion and a dark brown dot in the center. October 15.

**F. S. PARKS.** Especially large when disbudded. Both ray and disc petals are of glistening white. November 1. Price: 25 cents each, 3 for 70 cents. (Illustrated.)





**MRS. J. S. ROBERTS.** Beautiful shade of mauve and violet. This variety should be disbudded. November 1. Price: 35 cents each, 3 for \$1.00.

**SILVER QUEEN.** Both ray and cushion petals are pure white. November 10.

**SINCERITY.** Short white ray petals with very high, almost globular white cushion. Best when disbudded. October 15.

## RED

**CRIMSON GLOW.** Crimson maroon ray petals with large crimson cushion. November 28.

**MATADOR.** Has attractive brilliant ray petals with rich garnet cushion. November 20. Best red.

**MURAT.** Garnet red throughout with tiny glints of gold in the cushion florets. Not to be disbudded. November 10.

## 10 ANEMONE FLOWERING TYPES

### COLLECTION W

BETTY ROSE BRONZE TUXEDO

DORIS LOUISE ELIZABETH F. S. PARKS

MURAT SINCERITY SUNRAY

YELLOW SINCERITY YELLOW ESTRELLITA

Catalog Price .....\$2.05

Collection Offer .....\$1.75



**TUXEDO—Pink and  
BRONZE TUXEDO**

## YELLOW

**CITRUS QUEEN.** Clear yellow throughout. One of the largest when disbudded. November 5.

**SUNRAY.** Spray flowers in rich golden yellow. Not to be disbudded. October 25.

**YELLOW ESTRELLITA.** Bright yellow throughout. High quality flower. November 10.

**YELLOW SINCERITY.** Clear soft yellow throughout. Very popular. October 20.

**CHANGES CAUSED BY DISBUDDING.** Frequently we are asked during our show, particularly by our new customers, why their flowers are not true to our catalog descriptions nor similar to our garden specimen. In most instances, the discrepancy can be traced to non-disbudding. Only by disbudding we are able to grow large flowers as described in our catalog. Also, the round, perfectly spherical pompons or the prominent cushion centers of the anemone flowered varieties which may be lacking when grown in sprays.

**HEIGHT.** Please note that we have omitted the description of height unless it is the definite characteristic of the variety. Therefore, on the "tall" and the "dwarf" varieties are mentioned as such. The height generally is governed by pinching and bud selection.



## ***Ichimonji or Horizontal Efflorescent Varieties***

These varieties have very large, broad petals resembling single Dahlia flowers, and like most other singles, their colors are very intense and clear. Do not feed them too heavily. They may be grown either in sprays or disbudded. Grows to medium height.

**Price:** 75 cents each, \$7.50 per dozen.

**EVELYN.** Pure white. October 25.

**GERRY.** Intense bronze with gold reverse. Matures October 25.

**GOLDEN PRIDE.** A golden yellow. Matures October 30.

**PALOMA.** A lavender. Matures around November 1. (See color illustration, right.)

**SENSATION.** A purest white. Matures October 10.

## ***Hardy Cushion Mums***

**Price of Rooted Cutting, unless otherwise quoted:**

25 cents each, 3 of one name for 70 cents

Recommended for borders, rock gardens, pot plants,

or wherever low, bushy, mass color effect is desired.

**AMELIA.** Pink cushion. The original cushion mum in variable shades of pink. Late September on.

**CHAMPION CUSHION.** Deep bronze color and general habit like "Amelia." Early October.

**GOLDEN CUSHION.** Rich golden yellow. Rugged, stocky, well formed plant of "Amelia" strain.

**QUEEN CUSHION.** Prolific white of "Amelia" strain. Early October.

**SALMON CUSHION.** Most pleasing shade of salmon pink and soft coral. Mid-September on. **Price:** 35 cents each, 3 for \$1.00.

**YELLOW CUSHION.** Beautiful orange yellow. October 1.

**GOLDEN CARPET.** Dwarf pompon. A creeping low grower. Excellent border item. Late September.

**POT-O'-GOLD.** Our greatest pride. Fully double decorative flower of dazzling golden yellow. Luxuriously healthy foliage. Splendid for pot and border. October 15. **Price:** 50 cents each, 3 for \$1.35.

**CUSHION OFFER:** One each  
9 varieties for \$2.50

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**Collection of 9 Cushion Mums \$2.50**

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**PALOMA**



**CRIMSON CUSHION**

**CRIMSON CUSHION.** Beautiful wine red true cushion like in the illustration. Mid-September on. **Price:** 35 cents each, 3 for \$1.00.



# Giant Ever Blooming Carnations

## Field-Grown . . . Hardy Rugged Plants

### Cultural Instructions

#### Easy to Grow If These Simple Rules Are Followed

**PREPARATION OF SOIL.** The Carnation will tolerate wide range of soil condition and acidity, but it must have good drainage. The PH of the soil is best between 6.0 and 7.0. The plant requires plenty of organic matter, so liberal amounts of well rotted manure are spaded into the soil. In addition to this, about 5 lbs. of either bonemeal or superphosphate is required per 100 square feet of ground. If an extreme acid condition is encountered, a light sprinkling of agricultural lime or wood ashes would be beneficial.

**TREATMENT OF PURCHASED PLANTS.** The rooted cuttings when received must be planted in moderately moist soil (not soggy) immediately. Caution must be exercised not to plant them deeper than they were in sand during rooting process. Deep planting will invite tissue damaging fungi to enter at the tender section causing stem rot. The roots must not come in direct contact with fresh fertilizer which may burn them. To insure proper aeration and caring of the plants such as staking, etc., necessary as they grow, the workable spacing is about 15 inches apart. Soil around each plant must be pressed firm and watered immediately. Shading of plants with newspaper is beneficial if the weather is hot but this must be removed during the night and in cooler days. As soon as the plants are hardened and established, no further shading should be necessary. Carnations like full sunlight.

**STOPPING.** Plants are first topped when they are three or four inches high. The object of this topping is to encourage young plants to become bushy around the base. The best method is to pull out the center with the right hand while gripping the plant firmly with the left. More stems will arise by this procedure than when the top is merely broken off. Centers of new growths are further topped occasionally until a bushy plant is assured.

**STAKING.** Almost simultaneously with the last topping, the plants should be provided with some sort of support. Individual wire loop supports are most commonly used.

**DISBUDDING.** When buds become sufficiently large, all side buds are removed, thus leaving a single bud to a stem.

**WATERING.** Very wet or very dry soil conditions are both detrimental to support a vigorous, healthy growth of Carnations. Although in Winter they will stand being kept fairly dry much better than on the wet side.

**FEEDING.** Since the Carnation is an ever-blooming flower, feeding is a year around procedure after its final topping. Nitrogen stimulates stem and leaf growth; phosphoric acid and potash build up sturdy, firm growth of plants with large flowers, good substance, and good color. For this reason, application of complete fertilizers is recommended at the rate of between 2 and 4 pounds per 100 square feet at every two months intervals.

#### DISEASE CONTROL.

1. Rust. Easily controlled with Fermate, Bordeaux mixture, or Botano dust.
2. Septoria leafspot causes purple blotches on the leaves. Same control as for rust.
3. Yellows and Mosaics are virus diseases. Since aphids spread viruses, they should be controlled.

#### INSECT CONTROL.

1. Aphids and Red Spider. Controlled with sprays such as "Vaportone," etc.
2. Thrips. Causes white spots on flowers and may cause tips of shoots to stick together. Controlled with DDT dust or sprays.

### Propagation of New Plants

In order to grow Carnations successfully, a person must start propagating new plants from cuttings at some time or another. Best cuttings are produced about midway on a flowering stem, as indicated (A and B) in the illustration. The length of the cutting should be about three to four inches long. The growth (C) is allowed to grow into a flowering stem.

The procedure of taking slips or cuttings is rather unique in Carnations. The ones shown in the illustration are called "heel" cuttings because the shoots are severed by the "heel" or node of a main stem. The cutting, and leaf surrounding it, are held firmly and severed by outward-downward pull (see first part in the illustration).

**TRIMMING OF FOLIAGE.** According to pathologists, the plant food is manufactured in the leaves and trimming reduces the area in which food is manufactured. Also, essential plant elements must be used to heal any wound. Furthermore, all wounds will become a source of infection; therefore, only leaves of the cuttings coming in contact with the rooting media are removed.

**ROOTING AIDS.** Use Rootone or Hormodin No. 1 according to directions. Do not allow cuttings to become wilted. Submerging in water is one way of refreshing wilted cuttings.

**ROOTING MEDIA.** Use either clean medium coarse sand or "Mericulite." The latter is better.

**CARE OF CUTTING.** Take an ordinary plant flat, fill it with "Vermiculite," and level it off. Then soak it with water thoroughly and pound the surface firmly with a 2x3 piece of board. Make a straight groove about one inch deep with a small mason's trowel or flat blade of some sort. Then place the cuttings about one-half inch apart. When the row is completed, tap the base of the cuttings firmly again with the board. Then another groove is made about three inches away. Thus, an ordinary flat holds about 200 cuttings. They are thoroughly watered overhead when finished and then shaded for a while from direct sunlight, but not too heavily. Remember always that light is necessary for normal function of a plant. Heavy draft is also detrimental. It dries off the foliage too much.

It normally takes about four weeks to root a Carnation cutting when the temperature is right. When roots are about one-half to one inch long, the plants need transplanting.

More complete growing instructions will accompany each shipment of Carnation plants.





# Giant Ever Blooming Carnations

**ANNA.** Variegated. Apricot ground color with lovely deep rose markings. Large size flower with non-splitting calyx and in addition, very productive throughout all seasons. **Price: 35 cents each, 3 for \$1.00, \$3.50 per dozen.** (Illustrated on page 44.)

**ARMY NURSE.** Sport of "Pelargonium." Deeper in color. Rich crimson maroon with orchid edging. Charmingly scented. **Price: 50 cents each, 3 for \$1.35, \$5.00 per dozen.** (Illustrated on page 45.)

**BETSY.** Faint pink ground (almost white) marked, edged, and penciled with a beautiful maroon color. Productive variety of medium size flower with sound calyces. **Price: 35 cents each, 3 for \$1.00, \$3.50 per dozen.**

**BLAZE.** Scarlet red. Fully double large flowers with long stems with firm calyces. **Price: 35 cents each, 3 for \$1.00, \$3.50 per dozen.** (Illustrated on page 45.)

**CALIFORNIA.** Lovely clear purple. Best in this color. **Price: 35 cents each, 3 for \$1.00, \$3.50 per dozen.**

**CIRRUS CLOUD.** Light pink background with a variegation of irregular sized rose pink markings. **Price: 35 cents each, 3 for \$1.00, \$3.50 per dozen.**

**COLORADO.** Yellow ground with purple markings and edging. **Price: 35 cents each, 3 for \$1.00 \$3.50 per dozen.** (Illustrated on page 45.)

**DAIRY MAID.** White ground with red stripes. Popular variety. **Price: 35 cents each, 3 for \$1.00, \$3.50 per dozen.** (Illustrated on page 45.)

**DANCING GIRL.** Apricot ground with red markings and splashes. **Price: 35 cents each, 3 for \$1.00, \$3.50 per dozen.** (Illustrated on page 45.)

**DESERT SUNSET.** Strikingly beautiful variegation in variable effects of scarlet red and faint pink (almost white) along the outer part of the flower. The intensity of variegation vary during different seasons of the year much like the eternal changing of beautiful sunset hues out in the desert. **Price: 35 cents each, 3 for \$1.00, \$3.50 per dozen.** (Illustrated below.)



NORTHLAND



DESERT SUNSET



GRACE



# Carnation Varieties



**ANNA**

**GRACE.** White ground with deep purple stripes and edging. Sound calyx. **Price: 35 cents each, 3 for \$1.00, \$3.50 per dozen.** (Illustrated on page 43.)

**IDA.** Salmon pink. Flowers are large and fully double. Slightly fringed and does not split with us. **Price: 35 cents each, 3 for \$1.00, \$3.50 per dozen.**

**IMPRESSION.** White ground with ravishing pencil stripes and edging of rich purple. Sound calyx. **Price: 35 cents each, 3 for \$1.00, \$3.50 per dozen.**

**JOHN BRIRY.** A high quality flower in deep pink. Splendidly sound calyx. **Price: 35 cents each, 3 for \$1.00, \$3.50 per dozen.** (Illustrated.)

**LAVENDULA.** This outstanding new lavender flower has eliminated our old "Louise." The flower is very large and fully double. The stem is stout and erect and the calyx is completely round. **Price: 75 cents each, 3 for \$2.00, \$7.50 per dozen.** (Illustrated.)

**LOUISIANA.** An apricot ground color with stripes of deep rose. Calyx strong and productivity throughout the year excellent. **Price: 35 cents each, 3 for \$1.00, \$3.50 per dozen.**

**MRS. F. D. ROOSEVELT.** A charming medium pink flower that is always welcomed to complete a carnation collection. Sound calyx and producer of high qua-

lity flowers throughout the entire year. **Price: 35 cents each, 3 for \$1.00, \$3.50 per dozen.**

**MILLER'S YELLOW.** A variety unrivaled in the yellow class. Strong stem and sound calyx are notable assets of this variety. **Price: 35 cents each, 3 for \$1.00, \$3.50 per dozen.**

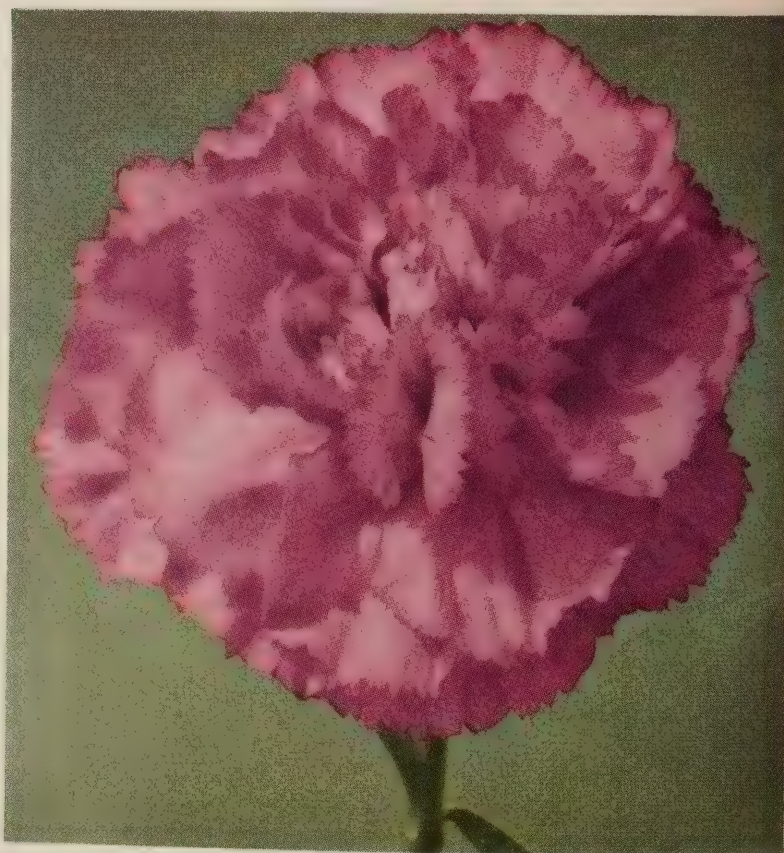
**NORTHLAND.** Outstanding in the pure whites. Giant size, fully double, and superbly scented. **Price: 35 cents each, 3 for \$1.00, \$3.50 per dozen.** (See page 43.)

**ORCHID BEAUTY.** Deep orchid lavender with lighter edging. Firm calyces and strong stems. **Price: 35 cents each, 3 for \$1.00, \$3.50 per dozen.** (Illustrated.)

**RED PIMPERNEL.** Brightest scarlet red. Erect growing habit with strong stems. Flowers are uniformly large and fully double. **Price: 35 cents each, 3 for \$1.00, \$3.50 per dozen.**

**ROSE BEAUTY.** Outstanding giant flower in a captivating deep pink which is almost dazzling. Has sound calyx and is supported with a stout stem. **Price: 50 cents each, 3 for \$1.35, \$5.00 per dozen.**

**WHITE SIMS.** White sport of "William Sims," a notable commercial cut flower variety. Flower is large and fully double. **Price: 35 cents each, \$3.50 per dozen.**



**ORCHID BEAUTY**





Top Three (from left to right):  
**COLORADO.** Yellow variegated.  
**JOHN BRIRY.** Dark pink.  
**DAIRY MAID.** White variegated.

Center Three (from left to right):  
**BLAZE.** Scarlet.  
**ARMY NURSE.** Sport of Pelargonium.  
**LAUVENDULA.** Lavender

Bottom (center):  
**DANCING GIRL.** Gold and red variegated.



# Annual Chrysanthemum and Carnation Show

The picture below is a partial view of the Chrysanthemum show we hold each year during October, November, and December, which you are cordially invited to attend.  
Our gardens will be open throughout the year for Carnation display.



## Collection of 12 Carnations Special Offer

1 each of the following:

BLAZE    CIRRUS CLOUD    KLUG'S CRIMSON    WHITE SIMS    IDA    JOHN BRIRY  
GRACE    DAIRY MAID    MILLER'S YELLOW    ANNA    DESERT SUNSET  
MRS. F. D. ROOSEVELT

Catalog Price ..... \$4.20

Collection Offer ..... \$3.50

## INDEX - Chrysanthemums

A				B			
Agnes .....	6	Ann Fulton .....	29	Baby .....	29	Blanche .....	39
Albatross .....	19	Ann Norton .....	3	Ballerina .....	16	Blazing Gold .....	19
Albert Witt .....	8, 9	Appert .....	27	Barcarole .....	30	Bokhara .....	36
Algiers .....	30	Arcadia .....	31	Ben Leighton .....	24	Bonnibel .....	29
Alice Tashima .....	6	Arctic .....	6	Ben Tashima .....	20	Bonton .....	30
Amber .....	33	Argo .....	30	Bertha Oliver .....	8, 9	Bronze Bulkeley .....	30
Amelia .....	41	Ariel .....	20	Bess Witt .....	8, 9	Bronze Elsie Kramer .....	32
Amy .....	17	Armistice Day .....	25	Betty .....	36	Bronze Frick .....	17
Angelo .....	31	Astrid .....	15	Betty Rose .....	39	Bronze Frieda .....	39
Anna .....	33	Autumn Queen .....	20	Birmingham .....	27	Bronze Reverie .....	14
Anne .....	6	Autumn Parade .....	48	Bittersweet .....	16	Bronze Thyra .....	31
Annette .....	29	Avalanche .....	36	Black Hawk .....	19	Bronze Tuxedo .....	39, 40
						Bunbu .....	5



# Chrysanthemums (Continued)

Burgundy Elsie Kramer	32	Gertrude Compton	33	Miss Helen Frick	17	Sanovar	30
Burma	36	Ginny Lee	16	Mission	30	San Gabriel	11
Butterball	17	Gold Dust	32	Mohawk Chief	19	Sarah Morasch	8, 9
		Gold Lode	19	Moonglow	30	Say Edgar	48
C		Golden Anniversary	30	Morgan's White	10	Scintillation	38
Califloral Pride	31	Golden Carpet	41	Mrs. Alan Morphy	37	Sensation	41
Cameo	33	Golden Chord	30	Mrs. David F. Roy	19	September Dawn	36
Campfire	30	Golden Cushion	41	Mrs. Gwen Cheesewright	38	Sequoia	36
Canary	30	Golden Fairy	31	Mrs. H. E. Kidder	19	Shirley Champion	27
Carmine Queen	36	Golden Herald	31	Mrs. Irene Sheffley	23	Shooting Star	15
Carnival	36	Golden Lace	3	Mrs. J. S. Roberts	39, 40	Silver Lace	13
Cathay	7	Golden Pearson	19	Mrs. Pinalle	15	Silverplate	30
Cattleya	32	Golden Pride	41	Mrs. Russell Compton	23	Silver Queen	40
C. D. Wolfe	39	Goldsmith	31	Murat	40	Silversmith	30
Celebration	19	Good Morning	15	Muto's Crimson	25	Silver Wedding	19
Celebrity	31, 32	Goya Red Kramer	32			Sincerity	40
Celestra	19	Grace Sturgis	21	N		Snow Crest	30
Celestial Beauty	7	Gracie Fields	30	Natoma	30	Snowflurry	29
Centennial	8	Greer Garson	27	Navaho	30	Snow Queen	38
Champion Cushion	41	Gretchen Piper	16	Niagara Falls	33	Sondra Gail	8
Charles Nye	36	Gwen Patton	21	Nightingale	12	Spangles	30
Chevron	30			Northland Daisies	15	Starbright	16
Chippewa	36	H		Nuggets	29	Star of the North	15
Chopstick	13	Halloween	33			Stella	36
Christina	17	Harvard	19	O		Stephanie	24, 25
Christmas Red Imp	30	Harvest Moon	27	October Red	19	Sterling	19
Christmas Star	16	Hilda Bergen	17	Onkwan	12	Stromness	27
Cincinnati	31	Highlight	30	Olga Rose	15	Sue Sally Jones	13
Citrus Queen	40	Honeycomb	36	Orange Bowl	21	Sunnyside	30
Clara Jameson	29	Honey Dew	19	Orange Spoon	38	Sunnyslope Bronze	28
Clara Trueman	27	Hunisman	36	Orchid Beauty	39	Sunnyslope Splendor	1
Clare	29			Orchid Queen	17	Sunray	40
Coppelia	36	I		Oriental Knight	12	Suzanne	29
Copper Elsie Kramer	32	Igloo	15	Oriole	18	Sylvia Marshall	39
Copperhead	30	Illini Bountiful	29			Symphony	36
Copper Rocket	7	Illini Brave	29	P			
Coral Frost	32	Illini Redhead	29	Paloma	41	T	
Coronation Pink	21	Illini Snowflakes	29	Pansy Sill	4	Thomas W. Pockett	
Country Gentleman	24	Illini Warrior	29	Paragon	30	Improved	27
Country Maiden	24	Irene	29	Patsy Dowd	29	Thyra	31
Courageous	36	Izalco	27	Paula	37	Tiffany Rose	36
Crimson Carnelia	16			Pauline	38	Tranquility	3
Crimson Cushion	41	J		Paul Miller	8, 9	Treasure Island Bronze	31
Crimson Glow	40	Jane Harle	33	Peach Elsie Kramer	32	Treasure Island Pink	31
Crimson Valencia	16	Jean	16	Peggy Ann Hoover	8, 9	Treasure Island White	31
Crystal Beauty	30	Jean Elizabeth	27	Peggy Poesch	30	Treasure Island Yellow	31
Cushion Mums	41	Jean Ranger	10	Pepita	36	Trianon	30
Cydonia	36	Jean Squire	10	Philip Kay	24	Triumph	32
		Joan Berger	37	Pink Chief	17	Turner Bronze	26
D		Joan Wells	30	Pink Dot	30	Turner Pink	26
Dainty White	8	John Pockett	27	Pink Dream	32	Turner William	26
Dame Enid Lyons	20	Joy	14	Pink Exquisite	14	Turner Yellow	26
Dawn	31	Joybringer	36	Pink Pearl	33	Tuxedo	39, 40
Deanna Lee	32			Pink Radiance	36		
December Queen	19	K		Pockett's Maroon	28	V	
Delight	7	Karl A. Reiche	36	Popcorn	30	Venus	19
Dr. Adah Ruth Taylor	14	Kimie	37	Pot O'Gold	41	Victory	26
Dr. J. M. Inglis	27	Klondike	30	Priscilla	31		
Doris Louise	39	Kristina	15	Pristine	31	W	
Dorothy Nehrling	29			Punch Bowl	11	Waikiki	11
Dorothy Turner	31	L				Wanda Olmstead	26
		Lady Gowrie	22	Q		Watanabe	1
E		Lavender Beauty	33	Quaker Maid	19	White Chief	18
Edith Roberts	30	Lavender Lady	36, 37	Queen Cushion	41	White Elsie Kramer	32
Elegance	22	Lavender Mist	33	Queen's Lace	13	White Frick	19
Elegance Toffy	28	Letitia	30	Queen of Pinks	31	White Frill	4
Elizabeth	39	Lilac Loveliness	17			White Rayonante	11
El Monte	27	Lillian Foliz	22	R		White Supreme	4
Elora	31	Linda	32	Radiant	16	White Valencia	16
Elsie Kramer	32	Loki	15	Rapture	36	White Wonder	36
Emerald Isle	5	Lorraine	5	Rayonante	11	Wildfire	30
Emperor	18	Louisa Pockett	26	Red Charm	33	Will Templin	28
Ensenada	15	Lyric	8	Reddish Bronze		William Turner	26
Erna	15			Elsie Kramer	32		
Estrellita	39	M		Red Elsie Kramer	32	Y	
Evelyn	41	Mabel Seymour	16	Red Elsie Kramer (Goya)	32	Yellow Arcadia	31
		Maestro	36	Red Gold	36	Yellow Avalanche	36
F		Maid of Orleans	32	Red Velvet	36	Yellow Bergen	19
Fair Maid	31	Major Edw. E. Bowes	17	Reverie	14	Yellow Chief	18
Faust	48	Majorette	39	Robert Eddie	27	Yellow Cushion	41
Fern Edwards	48	Mamoru	12	Robert Harkey	31	Yellow Dot	30
Festival	16	Maria	8, 9	Robinhood	30	Yellow Elsie Kramer	32
Firefall	33	Marie Miller	23	Rolinda	39	Yellow Estrellita	40
Firefly	30	Marsha	10	Rondo	14	Yellow Frill	13
Fireside	36	Mason's Red	16	Rose Elsie Kramer	32	Yellow Gleam	33
Fortune	33	Masterpiece	31	Rose Maddar	39	Yellow Irene	29
Frieda	39	Masumi	22	Rosita	36	Yellow Knight	4
Friendly Rival	19	Mason's Yellow	16	Royal Crimson	30	Yellow Lace	13
Frolic	37	Matador	40	Royal Robe	16	Yellow Mefo	19
F. S. Parks	39	Mauve	13	Rubicon	30	Yellow Pockett	26
		Melba	16			Yellow Rayonante	11
G		Melody	8, 9	S		Yellow Seagull	31
Garnet King	18	Miss Frances Lowe	23	Salmon Cushion	41	Yellow Sincerity	40
Georgina Hedinger	8, 9	Miss Gina Harwood	11	Salmon Frieda	36	Yellow Spoon	38
Gerry	41					Yellow Turner	26

## INDEX OF COLLECTION OFFERS

SPIDER COLLECTIONS K, L, M	Page 13
COMMERCIAL & EXHIBITION COLLECTIONS N, O, P	Page 19
POMPON COLLECTIONS Q, R, S, & T	Page 29

HARDY COLLECTION U	Page 37
SPOON COLLECTION V	Page 37
ANEMONE FLOWERING COLLECTION W	Page 40
CARNATION COLLECTION	Page 46





**AUTUMN PARADE.** Enchantingly graceful flower of deep rust color with spoon opening of deeper shade. October 15. Price: 50 cents each, 3 for \$1.35.



**FAUST.** Unique flower reddish bronze with gold reverse. Some plants will develop flowers which are a beautiful shade of buff bronze. October 30. Price: 35 cents each, 3 for \$1.00.



**FERN EDWARDS.** A charmingly beautiful lavender pink giant flower equal in size to the "Turners." October 25. Price: 50 cents each, 3 for \$1.35.



**SAY EDGAR.** Rich wine red with silvery reverse. Excellent grower. October 25. Price: 50 cents each, 3 for \$1.35.

**SUNNYSLOPE MUM GARDENS**

8226 East Huntington Drive  
SAN GABRIEL, CALIFORNIA